



;; TITLE OF INVENTION: EIN  
;; NUMBER OF SEQUENCES: 4  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
;; STREET: 3174 Porter Drive  
;; CITY: Palo Alto  
;; STATE: CA  
;; COUNTRY: USA  
;; ZIP: 94304  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Diskette  
;; COMPUTER: IBM Compatible  
;; OPERATING SYSTEM: DOS  
;; SOFTWARE: FASTSEQ for Windows Version 2.0  
;; CURRENT APPLICATION DATA:  
;; FILING DATE: 08/824,878  
;; CLASSIFICATION: 435  
;; PRIORITY APPLICATION DATA:  
;; APPLICATION NUMBER:  
;; FILING DATE:  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Billings, Lucy J.  
;; REGISTRATION NUMBER: 36,749  
;; REFERENCE/DOCKET NUMBER: PF-0255 US  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 415-855-0555  
;; TELEFAX: 415-845-4166  
;; INFORMATION FOR SEQ ID NO: 3:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 368 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; IMMEDIATE SOURCE:  
;; LIBRARY: GenBank  
;; CLONE: 205276  
US-08-824-878-3

Query Match 3.7%; Score 165.5; DB 2; Length 368;  
Best Local Similarity 24.1%; Pred. No. 1e-06;  
Matches 76; Conservative 47; Mismatches 140; Indels 53; Gaps 10;

Db 6 VAGAAVNEKSGRTSLSLFQKVPQIIPQWRKNT-----ECLPYKCSFTG 54  
63 LAGNAARDNKKRGVTPRHILLAVANDEBNOLKGVTIASGVLPNIHPELLAKKRGSG 122  
55 AL-----GENYMWQIPINHNDPKILKNNRQCEVLQNKFGCISTLVS--PVQE 101  
123 KLEAITPPPAKAKASPQKKPVAKKTGG--KKGARK-----SKQGEVSKAASADSTTE 175  
Db 102 G-----NSKSLQVFRKMLTPRIELSVWKDILTTHAVDAVVAANEDLLHGGGLALA 152  
176 GAPDPTGTVLSTKSLFLQOK-----LQVQADIASIDSDAVVHPTNTDFYIGGEVST 228  
Qy 153 LVKAGFEIQQEESKQFVARYGVSAGEIATVAGRLPCKQIIHAVPRMMDKQCTGK 212  
229 LEKKGKEFEVAVLELRKKNGPLVAGAAVSAHGCLPAKFVYHCNSP---TWGSDKCEEL 285  
Db 213 LQRAVSLINVIYKNTHTIKTVAIPALSSGIFQFPPLNCTKTIVETIRVSLQKPMWNL 272  
Db 286 LKTVKNCCL--ALADRLKLSIAFSPISGGRNGFPKQTAQILTKAIS--SYFVSTWSSSI 342  
Qy 273 KEIHLVSNEDPTVAAP 288  
Db 343 KTVYFVLFDSESIGIY 358

RESULT 3  
US-09-353-688-3  
; Sequence 3, Application US/09353688  
; Patent No. 6136314  
; GENERAL INFORMATION:

;; APPLICANT: Hillman, Jennifer L.  
;; TITLE OF INVENTION: NOVEL HISTONE FUSION PROT  
;; NUMBER OF SEQUENCES: 4  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
;; STREET: 3174 Porter Drive  
;; CITY: Palo Alto  
;; STATE: CA  
;; COUNTRY: USA  
;; ZIP: 94304  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Diskette  
;; COMPUTER: IBM Compatible  
;; OPERATING SYSTEM: DOS  
;; SOFTWARE: FASTSEQ for Windows Version 2.0  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/353,688  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIORITY APPLICATION DATA:  
;; APPLICATION NUMBER: 08/824,878  
;; FILING DATE:  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Billings, Lucy J.  
;; REGISTRATION NUMBER: 36,749  
;; REFERENCE/DOCKET NUMBER: PF-0255 US  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 415-855-0555  
;; TELEFAX: 415-845-4166  
;; INFORMATION FOR SEQ ID NO: 3:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 368 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; IMMEDIATE SOURCE:  
;; LIBRARY: GenBank  
;; CLONE: 205276  
US-09-353-688-3

Query Match 3.7%; Score 165.5; DB 3; Length 368;  
Best Local Similarity 24.1%; Pred. No. 1e-06;  
Matches 76; Conservative 47; Mismatches 140; Indels 53; Gaps 10;

Db 6 VAGAAVNEKSGRTSLSLFQKVPQIIPQWRKNT-----ECLPYKCSFTG 54  
63 LAGNAARDNKKRGVTPRHILLAVANDEBNOLKGVTIASGVLPNIHPELLAKKRGSG 122  
55 AL-----GENYMWQIPINHNDPKILKNNRQCEVLQNKFGCISTLVS--PVQE 101  
123 KLEAITPPPAKAKASPQKKPVAKKTGG--KKGARK-----SKQGEVSKAASADSTTE 175  
Db 102 G-----NSKSLQVFRKMLTPRIELSVWKDILTTHAVDAVVAANEDLLHGGGLALA 152  
176 GAPDPTGTVLSTKSLFLQOK-----LQVQADIASIDSDAVVHPTNTDFYIGGEVST 228  
Qy 153 LVKAGFEIQQEESKQFVARYGVSAGEIATVAGRLPCKQIIHAVPRMMDKQCTGK 212  
229 LEKKGKEFEVAVLELRKKNGPLVAGAAVSAHGCLPAKFVYHCNSP---TWGSDKCEEL 285  
Db 213 LQRAVSLINVIYKNTHTIKTVAIPALSSGIFQFPPLNCTKTIVETIRVSLQKPMWNL 272  
Db 286 LKTVKNCCL--ALADRLKLSIAFSPISGGRNGFPKQTAQILTKAIS--SYFVSTWSSSI 342  
Qy 273 KEIHLVSNEDPTVAAP 288  
Db 343 KTVYFVLFDSESIGIY 358

RESULT 4  
US-08-824-878-1  
; Sequence 1, Application US/08824878



RESULT 6  
US-09-722-139-2  
Sequence 2, Application US/09722139  
Patent No. 6355471  
GENERAL INFORMATION:  
APPLICANT: Beraud, Christophe  
APPLICANT: Freedman, Richard  
TITLE OF INVENTION: No. 6355471el motor proteins and methods for  
FILE OF INVENTION: their use  
FILE REFERENCE: 1055  
CURRENT APPLICATION NUMBER: US/09/722,139  
CURRENT FILING DATE: 2000-11-24  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 2  
LENGTH: 1375  
TYPE: PRT  
ORGANISM: Human  
US-09-722-139-2

Query Match 3.1%; Score 136.5; DB 4; Length 1375;  
Best Local Similarity 18.7%; Pred. No. 0.0042;  
Matches 154; Conservative 131; Mismatches 299; Indels 239; Gaps 38;

QY 2 DFSMAGAAAYNEKSGRTISLSLFOKVFAQIFPQWRKNTTECLPYKSETGALGENYS 61  
DB 59 DFSFYSA---DTKSPDVVSQEMVFKITGTDVKSAGFEGYACVFAV-----GQTSGSKS 109  
QY 62 WOIPINNDPKILKNRROLCEVLONKF-----GCISTLSPVQEGNSKSLQVPRKM 113  
DB 110 YMMGNSGDSGLIP---RICEGLFSRINETTRWDEASRTEVSLEYIYNERVDDLRRK 165  
QY 114 LTPRIELSV-----WKDILTTHAVDAVAVNANEDLHGGGLALALVKAGFEIOES 165  
DB 166 SKTEFNLVRREHPREGEYVEDLSKHLVQYGDV---EELMDAGNINRTTAAGMNDVSSRS 223  
QY 166 KQFVARYGKVSAGEIATVGA---GRLPCKQI--IHAVGRPME-WDKQCT-----GK 212  
DB 224 HAIFT-----IKFTQAKFDEMPCEIVSKIHVLVLAGSERADATGATGVRLEKEGN 274  
QY 213 LQRAIV-----SILNVIYKNT--HIKTVAIPLASSGIFQFPLNLT--- 252  
DB 275 INKSLVTLGAKKQOVFVPRDSVLTWLLKDSLGNSKTIIMATISPADVNGETLSTURY 334  
QY 253 -----KTIYETIRVSL--QCKPMNSLKEIHLVSN-----EDPTVAAFKAASEPI 295  
DB 335 ANRAKNIINKPTINEDANVKILRELRABIAIKTLIAQNGOIALDSTALSMBEKLOQN 394  
QY 296 LQK--SELQETTPSEFNAM--VNNNLTLQIVQGHIEQOTADVIYNSVPHDITVGPVAKSI 352  
DB 395 EARVQELFKEMTNKMNETONILKEQTLALRKEGI-----GVVLDSLEPHLI----- 440  
QY 353 LQAGVEMKSEFLATKAKQFORSQVLVTKGFNLFCKIYIYVLMHSEF-----PKQI 405  
DB 441 ----GID--DDLSTGI-----ILYHLKEGQTYVGRDASTEDDI 474  
QY 406 LKHAMKECLEKIEONI--TSISFPALGT---GNMEIKKET---AAEILFDEVLTFAK 455  
DB 475 VLHGDLSEBHCIFENIGTIVTLIPLSGQCSVNGQIVVETHLNGAVILLGRTMFRF 534  
QY 456 DHVQHQLTVKFIPTDLEIYKAFSSEMAKSKMLSLNNYSVPQSTREEKEN----- 508  
DB 535 NHPKE-----AAKLRERKSGLLSSFSLSMTDLSKRENL SAVMLY 575  
QY 509 --GLE-ARSPALIMLGFN-----VEEMYEAH-----AMIORI-----LSLD 541  
DB 576 NQGLEBERQORELEKLEKSKRLIEEMEEKQSDKAELEHMOQEVETQKETEIVLOQIR 635  
QY 542 NHHIENNHLVGRKEHDLISQLOKTSSVSIITEIISPGRTELEIGARADILEVMMNIE 601  
DB 636 KQESLKRSSFHLENKLDLLAEKKEFEERLRLE-----QOEIELQKKQOE-----E 682

QY 602 DMLCKVOEMARKKERGLMRSLGOWTI-----QOQKODMKENIIFLCKVPPTQELLD 656  
DB 683 ETLFVQVEELORLEKELNNNEKAKEKFOJFQELDLOQKDKDOYAKLELEK-----KXLEE 736  
QY 657 QKKQFEKCGLOVLKVEKIDNEVLMAAFORKKKMMEKTLHRQPV 699  
DB 737 QKKE-----QVMLVAHLEQQL-----REKQEMIQULRRGEV 767

RESULT 7  
US-09-721-832-2  
Sequence 2, Application US/09721832  
Patent No. 6399346  
GENERAL INFORMATION:  
APPLICANT: Beraud, Christophe  
APPLICANT: Freedman, Richard  
TITLE OF INVENTION: No. 6399346el motor proteins and methods for  
FILE OF INVENTION: their use  
FILE REFERENCE: 1055  
CURRENT APPLICATION NUMBER: US/09/721,832  
CURRENT FILING DATE: 2000-11-24  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 2  
LENGTH: 1375  
TYPE: PRT  
ORGANISM: Human  
US-09-721-832-2

Query Match 3.1%; Score 136.5; DB 4; Length 1375;  
Best Local Similarity 18.7%; Pred. No. 0.0042;  
Matches 154; Conservative 131; Mismatches 299; Indels 239; Gaps 38;

QY 2 DFSMAGAAAYNEKSGRTISLSLFOKVFAQIFPQWRKNTTECLPYKSETGALGENYS 61  
DB 59 DFSFYSA---DTKSPDVVSQEMVFKITGTDVKSAGFEGYACVFAV-----GQTSGSKS 109  
QY 62 WOIPINNDPKILKNRROLCEVLONKF-----GCISTLSPVQEGNSKSLQVPRKM 113  
DB 110 YMMGNSGDSGLIP---RICEGLFSRINETTRWDEASRTEVSLEYIYNERVDDLRRK 165  
QY 114 LTPRIELSV-----WKDILTTHAVDAVAVNANEDLHGGGLALALVKAGFEIOES 165  
DB 166 SKTEFNLVRREHPREGEYVEDLSKHLVQYGDV---EELMDAGNINRTTAAGMNDVSSRS 223  
QY 166 KQFVARYGKVSAGEIATVGA---GRLPCKQI--IHAVGRPME-WDKQCT-----GK 212  
DB 224 HAIFT-----IKFTQAKFDEMPCEIVSKIHVLVLAGSERADATGATGVRLEKEGN 274  
QY 213 LQRAIV-----SILNVIYKNT--HIKTVAIPLASSGIFQFPLNLT--- 252  
DB 275 INKSLVTLGAKKQOVFVPRDSVLTWLLKDSLGNSKTIIMATISPADVNGETLSTURY 334  
QY 253 -----KTIYETIRVSL--QCKPMNSLKEIHLVSN-----EDPTVAAFKAASEPI 295  
DB 335 ANRAKNIINKPTINEDANVKILRELRABIAIKTLIAQNGOIALDSTALSMBEKLOQN 394  
QY 296 LQK--SELQETTPSEFNAM--VNNNLTLQIVQGHIEQOTADVIYNSVPHDITVGPVAKSI 352  
DB 395 EARVQELFKEMTNKMNETONILKEQTLALRKEGI-----GVVLDSLEPHLI----- 440  
QY 353 LQAGVEMKSEFLATKAKQFORSQVLVTKGFNLFCKIYIYVLMHSEF-----PKQI 405  
DB 441 ----GID--DDLSTGI-----ILYHLKEGQTYVGRDASTEDDI 474  
QY 406 LKHAMKECLEKIEONI--TSISFPALGT---GNMEIKKET---AAEILFDEVLTFAK 455  
DB 475 VLHGDLSEBHCIFENIGTIVTLIPLSGQCSVNGQIVVETHLNGAVILLGRTMFRF 534  
QY 456 DHVQHQLTVKFIPTDLEIYKAFSSEMAKSKMLSLNNYSVPQSTREEKEN----- 508  
DB 535 NHPKE-----AAKLRERKSGLLSSFSLSMTDLSKRENL SAVMLY 575

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OY 509 --GIE--ASPAINLIGNFN-----VEEMYEAAH-----AMIGRI-----LSLQ 541
Db 576 NPGUEFFERQOEPELEKESKRKLIEWEEKOKSDKDELTERMOOEVEFORKETEIVOLQIR 635
OY 542 NHHIENNHHIILVGRKEHDILSOLQKTSVSISITIEISPORTELEIEGARADLIEVANNIE 601
Db 636 KOESLTKRRSFIIENKKNLNLAEKEKFESEBRLRE-----QOELEOKKOE-----E 662
OY 602 DMLCKVQOEBMARKKRGELMSLGQWTI-----QOQKTODEMKENIIFLKCPVPPTOELLD 656
Db 683 ETLFLVQOELORTLKELTNNEKAKEKFOIPOELDLOKREKDOYAKLELEK-----KRLKE 736
OY 657 OKQOEKCGLOVLYKVEKIDNEVLMAFORKKKKMEKELHROPV 639
Db 737 QEKE-----QVMOVAHTEEOI-----REKOEMLOLLERGEV 767

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RESULT 8  
US-09-721-689-2  
; Sequence 2, Application US/09721689

Query Match	3.1%;	Score 136.5;	DB 4;	Length 1375;
Best Local Similarity	18.7%;	Pred. No. 0.0042;		
Matches 154;	Conservative 131;	Mismatches 299;	Indels 239;	Gaps 38

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OY 406 :KHAMKELEKCI0E0N1--T5ISPALG---GNMEIKKEK---AAHLPBEVULTFAK 455
Db 475 :VHGIDLESEHCIFENIGCVTLTLP:SSQCSGVNGQIVAEATHLNOGAAILLGRTNMFR 534
OY 456 :DHVKQLTIVKEVIPPTDLEIYKAFSEMAKRSKMLSNVSVPOSTREREKREN----- 508
Db 535 :NHPKE-----AAKREKKSGLSSFSLSMTDLSKSRNLSAVMLY 575
OY 509 :--GLE-ARSPAININGFN-----VEENYEAH---AMIORI-----LSIQ 541
Db 576 :NPGLEFEHQGBEHELEKLESKRKLIEBMEBKQKSDAELERMQOEVYOTKRETIYQLOIR 635
OY 542 :NHHIIEENNHIILYGRKEHDILSLOQKTSSVSTIEIISPGRTLEIEGARADLIEVVMNIE 601
Db 636 :KQESLAKRSRPHIEKCLKDLAERKEKPEBERLRE-----QGEIELQKKRQ-----E 662
OY 602 :DMLCIVQDEMARKKERGILSRISGQMTT-----QOQKQDQEMKENITFLKCPVPPIQOELL 656
Db 683 :ETFLRVQEOELORLKLNNNEKAERKFOIRQOELDOLQKEXQOYAKULELEK-----XRLBE 726
OY 657 :QKQREKCGLOVLKVEKIDNEVLTMAFORKKKMEBMEKLIHQRV 699
Db 737 :QEKQ-----QVMVLVHLEBQ-----REKQEMQLLRGSEV 767

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RESULT 9  
US-09-350-982C-5  
; Sequence 5, Application US/09350982C

OTHER INFORMATION: n is any nucleic acid  
US-09-350-982C-5

441 ---GID--DDLSTGI-----ILVHLKEGQTYVGRDDASTIEQDI 474

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US-08-973-462-8
; Sequence 8, Application US/08973462B
; Patent No. 6191270
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; APPLICANT: DAUBERSIS, PIERRE
; TITLE OF INVENTION: MALARIAL PRE-ERYTHROCYTIC STAGE POLYPEPTIDE MOLECULES
; FILE REFERENCE: 0660-0125-0 PCT
; CURRENT APPLICATION NUMBER: US/08/973,462B
; CURRENT FILING DATE: 1998-02-06
; EARLIER APPLICATION NUMBER: PCT/FR96/00894
; EARLIER FILING DATE: 1996-06-12
; EARLIER APPLICATION NUMBER: FR 95/07007
; EARLIER FILING DATE: 1995-06-13
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 1786
; TYPE: PRF
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Polypeptide
US-08-973-462-8

Query Match
Best Local Similarity 18.5%; Pred. No. 0.014;
Matches 124; Conservative 128; Mismatches 264; Indels 156; Gaps 28;

3.0%; Score 133; DB 3; Length 1786;
81 LCEVLONKFCISTLVSPOEGNSKSLQVFRKMLTPRIELSWKODLTTHAVDAVVMAN 140
845 LNEIEEVENVTTILENEETTAESVTFPSNLE-----EIQENTITNDTIEKL----- 895
141 EOLLHGGGLALVKGAGGEIOESKQFARYGKVSAGIATVAGARLCKQIHAVGPR 200
896 -EELEHNVLSALENT--OSEEKKEVDIEEVEE-EVATT-----LIETV--- 938
201 KMEMDQGTGKLRATVSLNVLYKNTHTKTAIPALSGIFPPLNCTKTIYETIR 260
939 --EQAEKSKANTITTEFENLENAVSENENVAENIEKINENYFNVLKVEET-VEISG 994
261 VSLQKPM-----MSNLKEIHLVSNEDPTVAARKAASEFLIGKSELGOETTSFNAM 312
995 ESELENEMKAFESIFPDVVKGI---QENLLTGMFRSLETSTIVIOSEKVDLNEVVAS 1050
313 VVNNLTLOVQGHIEQTDVAVNSVPHDITVG---PAKSLIQAGVE-----MKSEF 364
1051 ILDNIE-----NMKEGLLNKLENTISTEGVQETVTEHVEQVNVVDVDPANKQF 1100
365 LATKAKOFORSOLVLTGK-----FNL--FCRYIYHVLMSBFRPQILKHAMKECLE- 415
1101 LG-----ILNEAGLGKEMFNLDEVRKESDVTVEIKDEBPQKEVEKETVSI 1149
416 -KCIQNTSISFPALGTGNMEIKETAELFD---EVLTPAKOHVKHQLTVKFIPT 471
1150 IEMENIVDV-----LEBEKEDLDKMDAVEESITISDSKETESIKDKEDKV 1200
472 DIEIYKAFSEMAKR-SKMLSLNYSVPOSTREKENGLEARSPIINLMGENVEVMYA 530
1201 SLAVEEVQNDMDSEVKLETKN-----MEEELMKDAVEINDITSKILIE-ETDELNV 1253
531 HA-----WIORILSLONHITE--NNHILYGRKEHDLISLOLQTSVSITELIS 578
1254 EADLIKDMKEKLEKALSSEDSKEIITDAKODTLEKVIIEBHDTITTLDEV----- 1303
579 PGRTELEIGARADLIEVMNIEDMLCKVQOEMARKKRGWLRSLOQWTIOQKQODEMK 638
1304 -----VELKDVEDKIEKVSCLKDLEBDILKEVKEIKE-----LESEIL 1342
639 ENIILPKCVPRPQELLDOKKQPEKGLQVLKVE-----KIDNEVLMMAFQKKKKM 689
1343 EDYKELK--TETDLLEKEIEKHOFKFEFEAEIKDLEADILKEVSSLEVEBEKEL 1399
690 MEKHLRQPVSH 701

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DB 1400 EEWELKEVEEH 1411

RESULT 11
US-08-801-263A-9
; Sequence 9, Application US/08801263A
; Patent No. 5811407
; GENERAL INFORMATION:
; APPLICANT: Johnston, Robert E.
; APPLICANT: Davis, Nancy L.
; APPLICANT: Simpson, Dennis A.
; TITLE OF INVENTION: System for the In Vivo Delivery and
; TITLE OF INVENTION: Expression of Heterologous Genes in the Bone Marrow
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Bell Seltzer Park & Gibson, P.A.
; STREET: 1211 East Morehead Street
; CITY: Charlotte
; STATE: No. 5811407th Carolina
; COUNTRY: USA
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/801,263A
; FILING DATE: 19-FEB-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5470-147
; TELEPHONE: 919-420-2200
; TELEFAX: 919-881-3175
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2512 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-801-263A-9

Query Match
Best Local Similarity 23.0%; Pred. No. 0.027;
Matches 72; Conservative 45; Mismatches 107; Indels 89; Gaps 13;

3.0%; Score 132.5; DB 2; Length 2512;
26 FQKVAQIFPQWRKNTBECPLPY-----KCSFTGALGENYSWQIPINHNDFKIKN----- 76
1227 YDLVEINIGTKYRNHFOQCDHAATLTLTSLRSALN-----CLNPGTLVKSQYAD 1279
77 -NEROLCEVLONKFCISTLVSPOEGNSKSLQVFRKM-----LTPR-----IELSYW- 123
1280 RNSDEVVTLARKFPRVAAARPDCCVSNTEWVLTIFROLDNSRTROFTFHHLNLCVSYVE 1339
124 -----KDDLTHAVDAVVMANEDILHGGGLALALVKGAGGEIOESKQF 168
1340 GTRDVGAPASRYRTKRENIADQOEBAVVMANPLGRPEGVCRAIYK----- 1386
169 VARYKVSAGELAVTAGARLP-C-KQIIHAVGPRMMEMDQGTGKLRATVSLNVYI 225
1387 --RWPSTFSDATETGTRAMTVCLGKVIHAVGPRFGRHPRABALKLLQNVYHVAADLV- 1443
226 YKNTA-ITVVAIPALSGIF-----QEPNLCT-----KTIYETIRV 261
1444 --NENINISVALPILSTGLVYAGKRLVSLNCLTALDRIDADAVTITICLDKKMERIDA 1501
262 SLQGRPMNSNLE 274
1502 ALQKESVTELDK 1514

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RESULT 12  
US-09-102-248-9  
Sequence 9, Application US/09102248  
Patent No. 6008035  
GENERAL INFORMATION:  
APPLICANT: Johnston, Robert E.  
APPLICANT: Davis, Nancy L.  
APPLICANT: Simpson, Dennis A.  
TITLE OF INVENTION: System for the In Vivo Delivery and  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Bell Seltzer Park & Gibson, P.A.  
STREET: 1211 East Morehead Street  
CITY: Charlotte  
STATE: No. 6008035ch Carolina  
COUNTRY: USA  
ZIP: 28234  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/102,248  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/801,263  
FILING DATE: 19-FEB-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Sibley, Kenneth D.  
REGISTRATION NUMBER: 31,665  
REFERENCE/DOCKET NUMBER: 5470-147  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 919-420-2200  
TELEFAX: 919-881-3175  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2512 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-102-248-9

Query Match 3.0%; Score 132.5; DB 3; Length 2512;  
Best Local Similarity 23.0%; Pred. No. 0.027;  
Matches 72; Conservative 45; Mismatches 107; Indels 89; Gaps 13;

26 FQKVFQIIPQWQKNTBCLPY---KCEETGALGENYSWQIPINHDFKILKN----- 76  
1227 YDLVFNIGTKYRNHHFQCCEDHAATLKTLSRSALN-----CLNPGGTLVVKSGYAD 1279  
77 -NEROLCEVLQNFEGCISTLVSPVQEGNSKSLQVPRKM-----LTPR-----IELSW- 123  
1280 RNSDEVVTALARKFVKSARPCVSNTEMYLIFROLDSKRTROTTPHNLNCVSSVYE 1339  
124 -----KDLTTAAVDVAVNAANEDLHGGGLALALVKGAGFEIQESKQF 168  
1340 GTRDVGGAAPSYRTKRENADCOEBAVVAANPLGRPGEGVCRATYK----- 1386  
169 VARYGVSAAGEIATVAGRLP-C--KQIIHAGPRMENDKQCGTGLQRAIVSILNYVI 225  
1387 --RWPTSFDSATETGTARMTVCLGKQVHAHVGPRFKHPEAEALKLQNAHVAADLV- 1443  
226 YKQTH-IKTVAPALSSGIF-----OPLNLC-----KTIYETTRV 261  
1444 --NEHIKSVAILPLSTGTIYAGKDLREVSINCLTTALDRTDADVTIYCLDKWKERIDA 1501  
262 SLOGKPMMSNLKE 274

Db 1502 ALQKESVTELKD 1514

RESULT 13  
US-09-367-764-9  
Sequence 9, Application US/09367764  
Patent No. 6583121  
GENERAL INFORMATION:  
APPLICANT: Johnston, Robert E.  
APPLICANT: Davis, Nancy L.  
APPLICANT: Simpson, Dennis A.  
TITLE OF INVENTION: System for the In Vivo Delivery and  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Bell Seltzer Park & Gibson, P.A.  
STREET: 1211 East Morehead Street  
CITY: Charlotte  
STATE: No. 6583121ch Carolina  
COUNTRY: USA  
ZIP: 28234  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/367,764  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/801,263  
FILING DATE: 19-FEB-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Sibley, Kenneth D.  
REGISTRATION NUMBER: 31,665  
REFERENCE/DOCKET NUMBER: 5470-147  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 919-420-2200  
TELEFAX: 919-881-3175  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2512 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-367-764-9

Query Match 3.0%; Score 132.5; DB 4; Length 2512;  
Best Local Similarity 23.0%; Pred. No. 0.027;  
Matches 72; Conservative 45; Mismatches 107; Indels 89; Gaps 13;

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1227 YDLVFNIGTKYRNHHFQCCEDHAATLKTLSRSALN-----CLNPGGTLVVKSGYAD 1279  
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1280 RNSDEVVTALARKFVKSARPCVSNTEMYLIFROLDSKRTROTTPHNLNCVSSVYE 1339  
124 -----KDLTTAAVDVAVNAANEDLHGGGLALALVKGAGFEIQESKQF 168  
1340 GTRDVGGAAPSYRTKRENADCOEBAVVAANPLGRPGEGVCRATYK----- 1386  
169 VARYGVSAAGEIATVAGRLP-C--KQIIHAGPRMENDKQCGTGLQRAIVSILNYVI 225  
1387 --RWPTSFDSATETGTARMTVCLGKQVHAHVGPRFKHPEAEALKLQNAHVAADLV- 1443  
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1444 --NEHIKSVAILPLSTGTIYAGKDLREVSINCLTTALDRTDADVTIYCLDKWKERIDA 1501  
262 SLOGKPMMSNLKE 274

DB 1502 ALQKESVTELKD 1514

## RESULT 14

US-09-196-387-2  
; Sequence 2, Application US/09196387  
; Patent No. 6277613

## GENERAL INFORMATION:

APPLICANT: de Lange, Titia

APPLICANT: Smith, Susan

TITLE OF INVENTION: A PROTEIN THAT BINDS TO TRP1 AND METHODS

TITLE OF INVENTION: OF USE THEREOF

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Klauber &amp; Jackson

STREET: 411 Hackensack Avenue, 4th Floor

CITY: Hackensack

STATE: New Jersey

COUNTRY: USA

ZIP: 07601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/196,387

FILING DATE:

CLASSIFICATION:

APPLICATION NUMBER: 09/095,225

FILING DATE: June 10, 1998

ATTORNEY/AGENT INFORMATION:

NAME: Jackson Esq., David A.

REGISTRATION NUMBER: 26,742

REFERENCE/DOCKET NUMBER: 600-1-230 CIPI

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-487-5800

TELEFAX: 201-343-1684

TELEX: 133521

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1327 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: NO

US-09-196-387-2

Query Match

Best Local Similarity 21.0%; Score 132; DB 3; Length 1327;

Matches 65; Conservative 48; Mismatches 107; Indels 90; Gaps 15;

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## RESULT 15

US-09-841-835-2

; Sequence 2, Application US/09841835  
; Patent No. 6506587

## GENERAL INFORMATION:

APPLICANT: de Lange, Titia

APPLICANT: Smith, Susan

TITLE OF INVENTION: A PROTEIN THAT BINDS TO TRP1 AND METHODS

TITLE OF INVENTION: OF USE THEREOF

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Klauber &amp; Jackson

STREET: 411 Hackensack Avenue, 4th Floor

CITY: Hackensack

STATE: New Jersey

COUNTRY: USA

ZIP: 07601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/841,835

FILING DATE:

CLASSIFICATION:

APPLICATION NUMBER: 09/196,387

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Jackson Esq., David A.

REGISTRATION NUMBER: 26,742

REFERENCE/DOCKET NUMBER: 600-1-230 CIPI

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-487-5800

TELEFAX: 201-343-1684

TELEX: 133521

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1327 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: NO

US-09-841-835-2

Query Match

Best Local Similarity 21.0%; Score 132; DB 4; Length 1327;

Matches 65; Conservative 48; Mismatches 107; Indels 90; Gaps 15;

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DB 1041 EH--LRDIFETEQITLDVLADMGHELYKEIGINAYGHRKLIKVERLL-----GG 1089

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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw.model

Run on: October 28, 2003, 15:09:25 ; Search time 35 Seconds  
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4086.039 Million cell updates/sec

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Gapop 10.0 , Gapext 0.5

Searched: 629382 seqs, 167460630 residues

Total number of hits satisfying chosen parameters: 629382

Minimum DB seq length: 0  
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Post-Processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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Published Applications AA.\*  
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Pred. No. is the number of results predicted by chance a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	4175.5	93.9	821	10	US-09-882-529-3
4	912	20.5	179	10	US-09-882-529-7
5	841.5	18.9	169	10	US-09-882-529-5
6	751	16.9	145	10	US-09-882-529-9
7	664	14.9	129	10	US-09-882-529-15
8	626	14.1	121	10	US-09-882-529-11
9	626	14.1	121	10	US-09-882-529-13
10	244.5	5.5	170	10	US-09-882-529-6
11	244.5	5.5	170	10	US-09-882-529-8
12	215.5	4.8	132	10	US-09-882-529-10
13	215.5	4.8	132	10	US-09-882-529-16
14	190	4.3	325	15	US-10-205-823-244
15	179.5	4.0	116	10	US-09-882-529-12

16	179.5	4.0	116	10	US-09-882-529-14	Sequence 14, Appl
17	165.5	3.7	368	12	US-10-205-194-37	Sequence 37, Appl
18	157.5	3.5	1181	12	US-10-199-937-139	Sequence 139, App
19	157	3.5	378	9	US-09-925-301-1208	Sequence 1208, Ap
20	156	3.5	204	10	US-09-731-001-5	Sequence 5, Appl1
21	156	3.5	220	10	US-09-731-001-2	Sequence 2, Appl1
22	156	3.5	258	10	US-09-731-001-4	Sequence 4, Appl1
23	156	3.5	598	10	US-09-731-001-3	Sequence 3, Appl1
24	151	3.4	716	15	US-10-106-658-4729	Sequence 4729, Ap
25	148	3.3	716	9	US-09-815-242-12403	Sequence 12403, A
26	146.5	3.3	1099	12	US-10-199-937-178	Sequence 178, App
27	143	3.2	2492	10	US-09-991-258-3	Sequence 517, App
28	140.5	3.2	250	15	US-10-102-806-517	Sequence 517, App
29	138	3.1	1368	12	US-10-033-585-7544	Sequence 7544, Ap
30	137	3.1	756	12	US-10-199-937-91	Sequence 91, Appl
31	137	3.1	784	12	US-10-199-937-89	Sequence 89, Appl
32	137	3.1	1166	11	US-09-972-115A-6	Sequence 6, Appl1
33	137	3.1	1166	12	US-10-199-937-135	Sequence 135, App
34	137	3.1	1166	15	US-10-163-587A-15	Sequence 15, Appl
35	137	3.1	1169	12	US-10-199-937-2	Sequence 2, Appl1
36	137	3.1	1169	12	US-10-199-937-101	Sequence 101, App
37	137	3.1	1262	12	US-10-199-937-107	Sequence 107, App
38	137	3.1	1385	12	US-10-199-937-133	Sequence 133, App
39	136.5	3.1	1227	12	US-09-849-602-26	Sequence 26, Appl
40	134	3.0	633	15	US-10-144-649A-738	Sequence 738, App
41	134	3.0	650	15	US-10-144-649A-739	Sequence 739, App
42	134	3.0	802	10	US-09-964-899-41	Sequence 41, Appl
43	134	3.0	1074	9	US-09-509-196A-2	Sequence 2, Appl1
44	133	3.0	1786	10	US-09-742-096-3	Sequence 3, Appl1
45	132	3.0	1327	9	US-09-841-835-2	Sequence 2, Appl1

## ALIGNMENTS

RESULT 1					
US-09-882-529-4					
; Sequence 4, Application US/09882529					
; Patent No. US20020132317A1					
; GENERAL INFORMATION:					
; APPLICANT: Peyman, John A					
; APPLICANT: da Silva, Antonio					
; APPLICANT: Hockman, Paula					
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC					
; FILE REFERENCE: 15966-771					
; CURRENT APPLICATION NUMBER: US/09/882,529					
; CURRENT FILING DATE: 2001-09-12					
; PRIOR APPLICATION NUMBER: 60/211,565					
; PRIOR FILING DATE: 2000-06-15					
; NUMBER OF SEQ ID NOS: 16					
; SOFTWARE: Patentin Ver. 2.1					
; SEQ ID NO 4					
; LENGTH: 856					
; TYPE: PRT					
; ORGANISM: Homo sapiens					
US-09-882-529-4					
Query Match					
Best Local Similarity 99.2%; Pred. No. 0;					
Matches 849; Conservative 0; Mismatches 5; Indels 2; Gaps 2;					
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RESULT 2  
US-09-882-529-2

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; Sequence 2, Application US/09882529
; Patent No. US20020132317A1
; GENERAL INFORMATION:
; APPLICANT: Peyman, John A
; APPLICANT: da Silva, Antonio
; APPLICANT: Hockman, Paula
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
; FILE REFERENCE: 15966-771
; CURRENT APPLICATION NUMBER: US/09/882,529
; PRIOR FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: 60/211,565
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 819
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-882-529-2

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Query Match 94.6%; Score 4208.5; DB 10; Length 819;  
Best Local Similarity 95.4%; Pred. No. 0;  
Matches 815; Conservative 3; Mismatches 1; Indels 35; Gaps 1;

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QY 661 FEKCGLOVLKYEKIDNEVLMAAFORKKKMEBEKLRQVSHRLFOQVYQFCNVVCRVG 720
Db 626 FEKCGLOVLKYEKIDNEVLMAAFORKKKMEBEKLRQVSHRLFOQVYQFCNVVCRVG 685
QY 721 QRMVSTPCDPKYGAGIYFTKULKNLAERAKKISADKLIYFEAEVLTFGFCQGHPLNI 780
Db 686 QRMVSTPCDPKYGAGIYFTKULKNLAERAKKISADKLIYFEAEVLTFGFCQGHPLNI 745
QY 781 PPLSPGALDGHDSVVDNVSSPETFVIFSGMOAIPQYLMTCQOEYVQSDYSSGMPMP 840
Db 746 PPLSPGALDGHDSVVDNVSSPETFVIFSGMOAIPQYLMTCQOEYVQSDYSSGMPMP 805
QY 841 QHPWRGFASSGSPVD 854
Db 806 QHPWRGFASSGSPVD 819

```

RESULT 3

```

US-09-882-529-3
; Sequence 3, Application US/09882529
; Patent No. US20020132317A1
; GENERAL INFORMATION:
; APPLICANT: Peyman, John A
; APPLICANT: da Silva, Antonio
; APPLICANT: Hockman, Paula

```

; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC  
 ; FILE OF INVENTION: ACIDS ENCODING SAME  
 ; FILE REFERENCE: 15966-771  
 ; CURRENT APPLICATION NUMBER: US/09/882,529  
 ; CURRENT FILING DATE: 2001-09-12  
 ; PRIOR APPLICATION NUMBER: 60/211,565  
 ; PRIOR FILING DATE: 2000-06-15  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; SEQ ID NO 3  
 ; LENGTH: 821  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-882-529-3

Query Match 93.9%; Score 4175.5; DB 10; Length 821;

Best Local Similarity 95.1%; Pred. No. 0; Mismatches 5; Indels 37; Gaps 3;

Matches 814; Conservative 0; Mismatches 5; Indels 37; Gaps 3;

QY 1 MDPSWAGAAAYNEKSGRITSLSLFLQKVFQIFPQWRKGNTEBCLPYKSETGALGENY 60  
 DB 1 MDPSWAGAAAYNEK-----SETGALGENY 25  
 QY 61 SMOIPINNDPKILKNNEKQCEVLQNKFGCISTIVSPVQEGNSKSLQVFRKKLTPRIEL 120  
 DB 26 SMOIPINNDPKILKNNEKQCEVLQNKFGCISTIVSPVQEGNSKSLQVFRKKLTPRIEL 85  
 QY 121 SYWKDGLTHAVDAVAVNANEDLHGGGLALALVKAAGFEIQESKQFARVYKVSAGEI 180  
 DB 86 SYWKDGLTHAVDAVAVNANEDLHGGGLALALVKAAGFEIQESKQFARVYKVSAGEI 145  
 QY 181 AVTGAGRLPCKOIIHAVGPRMWMEMDKQCTGKLQRAIVSILNVYIKNTHIKTVAIPALS 240  
 DB 146 AVTGAGRLPCKOIIHAVGPRMWMEMDKQCTGKLQRAIVSILNVYIKNTHIKTVAIPALS 205  
 QY 241 SGIFQPLNLCTKTIIVETIRVSLQKRPMSNLKEIHLVSNEDPTVAAPFAASEFILGKSE 300  
 DB 206 SGIFQPLNLCTKTIIVETIRVSLQKRPMSNLKEIHLVSNEDPTVAAPFAASEFILGKSE 265  
 QY 301 LQOETTPSFNANVNNLTQIYOGHILEMOTADIVTNSVNPBDITVGPVAKSIIOQAGVEM 360  
 DB 266 LQOETTPSFNANVNNLTQIYOGHILEMOTADIVTNSVNPBDITVGPVAKSIIOQAGVEM 325  
 QY 361 KSEFLATKAKOFORSOLVLTGKGFNLFCXYIYVLMHSEFPKQILKHAMKECLEKCIQO 420  
 DB 326 KSEFLATKAKOFORSOLVLTGKGFNLFCXYIYVLMHSEFPKQILKHAMKECLEKCIQO 385  
 QY 421 NITSISFPALGTGNNBIKKEITAELFDEVLTFF-AKDHYGQULTVKEVIFPTDLEITYKAF 479  
 DB 386 NITSISFPALGTGNNBIKKEITAELFDEVLTFF-AKDHYGQULTVKEVIFPTDLEITYKAF 445  
 QY 480 SSEMAKRSKMLSLNNYSPQSTREEKRENGLEAKRSALNLMGNEVEEYTAHAIORIIIS 539  
 DB 446 SSEMAKRSKMLSLNNYSPQSTREEKRENGLEAKRSALNLMGNEVEEYTAHAIORIIIS 505  
 QY 540 LONHHIENNNHLLYGRKEHDLSLOLQKTSVSTIISIPGRTELEBAGRADLLEVVNN 599  
 DB 506 LONHHIENNNHLLYGRKEHDLSLOLQKTSVSTIISIPGRTELEBAGRADLLEVVNN 565  
 QY 600 IEDMLCKVQEMARKKERGLMWSLQOWTIOOQKTODEMKNENIIFLKCPVPPTOELLDOKK 659  
 DB 566 IEDMLCKVQEMARKKERGLMWSLQOWTIOOQKTODEMKNENIIFLKCPVPPTOELLDOKK 625  
 QY 660 QFEKGLQVLKYEKIDNEVLMAAFQKKKKMEKELHROVSHRLFOQVVPYQFQNVVCRVG 719  
 DB 626 QFEKGLQVLKYEKIDNEVLMAAFQKKKKMEKELHROVSHRLFOQVVPYQFQNVVCRVG 685  
 QY 720 FORMYSTPCDPKYGAGIYFTKULKNLAERAKKISADKLIYVEEAVLTLGFGFGHPLNI 779  
 DB 686 FORMYSTPCDPKYGAGIYFTKULKNLAERAKKISADKLIYVEEAVLTLGFGFGHPLNI 745  
 QY 780 VPPPLSGAIDGHSVVDNVSSPEETVIFSGMOAIPQYLMWTCDEYVQSOBYSGPMRP 838  
 DB 780 VPPPLSGAIDGHSVVDNVSSPEETVIFSGMOAIPQYLMWTCDEYVQSOBYSGPMRP 838

DB 746 VPPPLSGAIDGHSVVDNVSSPEETVIFSGMOAIPQYLMWTCDEYVQSOBYSGPMRP 805  
 QY 839 FAQHPWRGFSAGSPVD 854  
 DB 806 FAQHPWRGFSAGSPVD 821

RESULT 4

US-09-882-529-7

Sequence 7, Application US/09882529

Patent No. US20020132317A1

GENERAL INFORMATION:

APPLICANT: Peyman, John A

APPLICANT: da Silva, Antonio

APPLICANT: Hockman, Paula

TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC

FILE REFERENCE: 15966-771

CURRENT APPLICATION NUMBER: US/09/882,529

CURRENT FILING DATE: 2001-09-12

PRIOR APPLICATION NUMBER: 60/211,565

PRIOR FILING DATE: 2000-06-15

NUMBER OF SEQ ID NOS: 16

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 7

LENGTH: 179

TYPE: PRT

ORGANISM: Homo sapiens

US-09-882-529-7

Query Match 20.5%; Score 912; DB 10; Length 179;

Best Local Similarity 99.4%; Pred. No. 3.3e-75; Mismatches 0; Indels 0; Gaps 0;

Matches 178; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 114 LTPRIELSYWKDGLTHAVDAVAVNANEDLHGGGLALALVKAAGFEIQESKQFARYG 173  
 DB 1 LTPRIELSYWKDGLTHAVDAVAVNANEDLHGGGLALALVKAAGFEIQESKQFARYG 60  
 QY 174 KVSAGEIATGAGRLPCKOIIHAVGPRMWMEMDKQCTGKLQRAIVSILNVYIKNTHIKT 233  
 DB 61 KVSAGEIATGAGRLPCKOIIHAVGPRMWMEMDKQCTGKLQRAIVSILNVYIKNTHIKT 120  
 QY 234 VAIPALSSGIFQPLNLCTKTIIVETIRVSLQKRPMSNLKEIHLVSNEDPTVAAPFAAS 292  
 DB 121 VAIPALSSGIFQPLNLCTKTIIVETIRVSLQKRPMSNLKEIHLVSNEDPTVAAPFAAS 179

RESULT 5

US-09-882-529-5

Sequence 5, Application US/09882529

Patent No. US20020132317A1

GENERAL INFORMATION:

APPLICANT: Peyman, John A

APPLICANT: da Silva, Antonio

APPLICANT: Hockman, Paula

TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC

FILE REFERENCE: 15966-771

CURRENT APPLICATION NUMBER: US/09/882,529

CURRENT FILING DATE: 2001-09-12

PRIOR APPLICATION NUMBER: 60/211,565

PRIOR FILING DATE: 2000-06-15

NUMBER OF SEQ ID NOS: 16

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 5

LENGTH: 169

TYPE: PRT

ORGANISM: Homo sapiens

US-09-882-529-5

Query Match 18.9%; Score 841.5; DB 10; Length 169;

Best Local Similarity 97.6%; Pred. No. 8.6e-69; Mismatches 1; Mismatches 2; Indels 1; Gaps 1;

```

Query Match: 16.9%; Score 751; DB 10 Length 145;
Best Local Similarity 100.0%; Pred. No. 1,3e-60;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0

Dd      111  RKMILPERIELSVWKDDLTTHAVDAVYVNAANEDLLHGCGIALALVYKAGSFEIIOESKQFVA 170
      1  RKMILPERIELSVWKDDLTTHAVDAVYVNAANEDLLHGCGIALALVYKAGSFEIIOESKQFVA 60

Qy      171  RYGVASAGELAVAGAGRLPCQIITHAVGRMMEMPKQGTGLQRAIYISILNYIYKNTH 230
      61  RYGVASAGELAVAGAGRLPCQIITHAVGRMMEMPKQGTGLQRAIYISILNYIYKNTH 120

Qy      231  IKTVAIPLALSSGIFQFPLNLCTXTI 255
      121  IKTVAIPLALSSGIFQFPLNLCTXTI 145

RESULT 7
US-09-882-529-15
: Sequence 15, Application US/09882529
: Patent No. US20020132317A1
: GENERAL INFORMATION:
: APPLICANT: Peyman, John A
: APPLICANT: da Silva, Antonio
: APPLICANT: Hockman, Paula
: TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
: TITLE OF INVENTION: ACIDS ENCODING SAME
: FILE REFERENCE: 15966-771
: CURRENT APPLICATION NUMBER: US/09/882,529
: CURRENT FILING DATE: 2001-09-12
: PRIOR APPLICATION NUMBER: 60/211,565
: PRIOR FILING DATE: 2000-06-15
: NUMBER OF SEQ ID NOS: 16
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 15
: LENGTH: 129

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RESULT 8
US-09-882-529-11
; Sequence 11, Application US/09882529
; Patent No. US20020132317A1
; GENERAL INFORMATION:
; APPLICANT: Peyman, John A
; APPLICANT: da Silva, Antonio
; APPLICANT: Hockman, Paula
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
; FILE REFERENCE: 15966-771
; CURRENT APPLICATION NUMBER: US/09/882,529
; PRIOR FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: 60/211,565
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 11
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-882-529-11

Query Match      14.1%; Score 626; DB 10; Length 121;
Best Local Similarity 100.0%; Pred. No. 2.8e+49;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY      136 VNAANEDELLHGGGLALALVKAGFEIOESKQFARYGVSAGEIAVYGAGRLPCKQIIH 195
        |||
DB       1 VNAANEDELLHGGGLALALVKAGFEIOESKQFARYGVSAGEIAVYGAGRLPCKQIIH 60

QY      196 AVGRWMEWDKQGCTGKLORAVISILNVYIKNTHIKTVAIPALSSGIPOEPLNLCTXTI 255
        |||
DB       61 AVGRWMEWDKQGCTGKLORAVISILNVYIKNTHIKTVAIPALSSGIPOEPLNLCTXTI 120

QY      256 V 256
        |
DB       121 V 121

RESULT 9
US-09-882-529-13
; Sequence 13, Application US/09882529
; Patent No. US20020132317A1
; GENERAL INFORMATION:
; APPLICANT: Peyman, John A
; APPLICANT: da Silva, Antonio
; APPLICANT: Hockman, Paula
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
; FILE REFERENCE: 15966-771
; CURRENT APPLICATION NUMBER: US/09/882,529

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/ CURRENT FILING DATE: 2001-09-12
/ PRIOR APPLICATION NUMBER: 60/211,565
/ PRIOR FILING DATE: 2000-06-15
/ NUMBER OF SEQ ID NOS: 16
/ SOFTWARE: Patentln Ver. 2.1
/ SEQ ID NO 13
/ LENGTH: 121
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-882-529-13

Query Match
Best Local Similarity 14.1%; Score 626; DB 10; Length 121;
Best Local Similarity 100.0%; Pred. No. 2,8e-49;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 VNAANEDLLHGGGLALALVYKAGGFEIOESKOFVARYKVSAGEIYVGTAGRLPCKOIHT 195
DB 1 VNAANEDLLHGGGLALALVYKAGGFEIOESKOFVARYKVSAGEIYVGTAGRLPCKOIHT 60

QY 196 AVGPRMWMKQCTGKLGRAIVSILNVYIKNTHIKTVAPALSSGIFQFPLNLCTKTI 255
DB 61 AVGPRMWMKQCTGKLGRAIVSILNVYIKNTHIKTVAPALSSGIFQFPLNLCTKTI 120

QY 256 V 256
DB 121 V 121

RESULT 10
US-09-882-529-6
/ Sequence 6, Application US/09882529
/ Patent No. US20020132317A1
/ GENERAL INFORMATION:
/ APPLICANT: Peyman, John A
/ APPLICANT: da Silva, Antonio
/ TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
/ FILE REFERENCE: 15966-771
/ CURRENT APPLICATION NUMBER: US/09/882,529
/ CURRENT FILING DATE: 2001-09-12
/ PRIOR APPLICATION NUMBER: 60/211,565
/ PRIOR FILING DATE: 2000-06-15
/ NUMBER OF SEQ ID NOS: 16
/ SOFTWARE: Patentln Ver. 2.1
/ SEQ ID NO 6
/ LENGTH: 170
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-882-529-6

Query Match
Best Local Similarity 5.5%; Score 244.5; DB 10; Length 170;
Best Local Similarity 36.4%; Pred. No. 4,6e-14;
Matches 64; Conservative 31; Mismatches 70; Indels 11; Gaps 4;

QY 115 TPRIELSVWKDDLTTHAVDAVVAANEDLLHGGGLALALVYKAGGFEIOESKOFVARYG 173
DB 2 TGSMTKIVKKGDTITKLPADAIVNAANSDLTWGGVAGAIARAAGEPELEEE---LKGG 57

QY 174 KVSAGEIYVGTAGRLPCKOIHTAVGPRMWMKQCTGKLGRAIVSILNVYIKNTHIKT 233
DB 58 GVTGSAVVTGGNLPAAKYIHAVGPRMWMKQCTGKLGRAIVSILNVYIKNTHIKT 115

QY 234 VALPALSSGIFQFPLNLCTKTIYETIRVSLQKPMNSNKEIHLVSNEDPTVAAPK 289
DB 116 VAFPAISTGIYGFPPKDRARITILEAIRFLTSHA---VKEVVLVCLDEEMREAYE 167

RESULT 11
US-09-882-529-8
/ Sequence 8, Application US/09882529
/ Patent No. US20020132317A1
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Peyman, John A
/ APPLICANT: da Silva, Antonio
/ APPLICANT: Hockman, Paula
/ TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
/ FILE REFERENCE: 15966-771
/ CURRENT APPLICATION NUMBER: US/09/882,529
/ CURRENT FILING DATE: 2001-09-12
/ PRIOR APPLICATION NUMBER: 60/211,565
/ PRIOR FILING DATE: 2000-06-15
/ NUMBER OF SEQ ID NOS: 16
/ SOFTWARE: Patentln Ver. 2.1
/ SEQ ID NO 8
/ LENGTH: 170
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-882-529-8

Query Match
Best Local Similarity 5.5%; Score 244.5; DB 10; Length 170;
Best Local Similarity 36.4%; Pred. No. 4,6e-14;
Matches 64; Conservative 31; Mismatches 70; Indels 11; Gaps 4;

QY 115 TPRIELSVWKDDLTTHAVDAVVAANEDLLHGGGLALALVYKAGGFEIOESKOFVARYG 173
DB 2 TGSMTKIVKKGDTITKLPADAIVNAANSDLTWGGVAGAIARAAGEPELEEE---LKGG 57

QY 174 KVSAGEIYVGTAGRLPCKOIHTAVGPRMWMKQCTGKLGRAIVSILNVYIKNTHIKT 233
DB 58 GVTGSAVVTGGNLPAAKYIHAVGPRMWMKQCTGKLGRAIVSILNVYIKNTHIKT 115

QY 234 VALPALSSGIFQFPLNLCTKTIYETIRVSLQKPMNSNKEIHLVSNEDPTVAAPK 289
DB 116 VAFPAISTGIYGFPPKDRARITILEAIRFLTSHA---VKEVVLVCLDEEMREAYE 167

RESULT 12
US-09-882-529-10
/ Sequence 10, Application US/09882529
/ Patent No. US20020132317A1
/ GENERAL INFORMATION:
/ APPLICANT: Peyman, John A
/ APPLICANT: da Silva, Antonio
/ APPLICANT: Hockman, Paula
/ TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
/ FILE REFERENCE: 15966-771
/ CURRENT APPLICATION NUMBER: US/09/882,529
/ CURRENT FILING DATE: 2001-09-12
/ PRIOR APPLICATION NUMBER: 60/211,565
/ PRIOR FILING DATE: 2000-06-15
/ NUMBER OF SEQ ID NOS: 16
/ SOFTWARE: Patentln Ver. 2.1
/ SEQ ID NO 10
/ LENGTH: 132
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-882-529-10

Query Match
Best Local Similarity 4.8%; Score 215.5; DB 10; Length 132;
Best Local Similarity 41.4%; Pred. No. 1,4e-11;
Matches 53; Conservative 18; Mismatches 52; Indels 5; Gaps 3;

QY 120 LSVWKDDLTTHAVDAVVAANEDLLHGGGLALALVYKAGGFEIOESKOFVARYKVSAGE 179
DB 2 LKVVGKDDITKPRADAIVNAANSDLTWGGVAGAIARAAGEPELEEE---LKGG 57

QY 180 IAVTGAAGRLPCKOIHTAVGPRMWMKQCTGKLGRAIVSILNVYIKNTHIKTVAPAL 239
DB 60 AVVTGGNLPAAKYIHAVGPRMWMKQCTGKLGRAIVSILNVYIKNTHIKTVAPAL 116

QY 240 SSGIFQF 247
DB 117 GTGIYGV 124
```

## RESULT 13

US-09-882-529-16

Sequence 16, Application US/09882529

Patent No. US2002013317A1

GENERAL INFORMATION:

APPLICANT: Peyman, John A

APPLICANT: da Silva, Antonio

APPLICANT: Hockman, Paula

TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC

FILE REFERENCE: 15966-771

CURRENT APPLICATION NUMBER: US/09/882,529

CURRENT FILING DATE: 2001-09-12

PRIOR APPLICATION NUMBER: 60/211,565

PRIOR FILING DATE: 2000-06-15

NUMBER OF SEQ ID NOS: 16

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 16

LENGTH: 132

TYPE: PRT

ORGANISM: Homo sapiens

US-09-882-529-16

Query Match 4.8%; Score 215.5; DB 10; Length 132;

Best Local Similarity 41.4%; Pred. No. 1.4e-11;

Matches 53; Conservative 18; Mismatches 52; Indels 5; Gaps 3;

QY 120 LSVKDDLTTHAVDAVNVANANEDLLHGGGLALALVKAGFEIOESKQFVARYGKVSAGE 179

DB 2 LKVVKGDIRKPRADAVNNAANSDDGHHGGVAGAIAPAAWE--ESKEFERKLAGECPVGT 59

QY 180 IAVTAGRLPCQKQIIHAVGPRMWMWDKQCTGKLGQRAIVSILNVYIKNTIKITVAIPA 239

DB 60 AVVTGGNIPAKYVIHAVGPRASYSKEGYE-LLENAYACLRIM--ELGIKSAVAPLPI 116

QY 240 SSGIFQFP 247

DB 117 GTGIGVP 124

## RESULT 14

US-10-205-823-244

Sequence 244, Application US/10205823

Publication No. US20030108963A1

GENERAL INFORMATION:

APPLICANT: Schlegel, Robert

APPLICANT: Monahan, John E.

APPLICANT: Endege, Wilson O.

APPLICANT: Gannavarapu, Manjula

APPLICANT: Gorbacheva, Bella

APPLICANT: Hoersch, Sebastian

APPLICANT: Kamatkar, Shubhangi

APPLICANT: Monsey, Angela M.

APPLICANT: Clatt, Karen

APPLICANT: Zhao, Xumel

APPLICANT: Anderson, Dustin

TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND

TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND

FILE REFERENCE: MRI-044

CURRENT APPLICATION NUMBER: US/10/205,823

CURRENT FILING DATE: 2002-07-25

PRIOR APPLICATION NUMBER: 60/307,982

PRIOR FILING DATE: 2001-07-25

PRIOR APPLICATION NUMBER: 60/314,356

PRIOR FILING DATE: 2001-08-22

PRIOR APPLICATION NUMBER: 60/325,020

PRIOR FILING DATE: 2001-09-25

PRIOR APPLICATION NUMBER: 60/341,746

PRIOR FILING DATE: 2001-12-12

PRIOR APPLICATION NUMBER: 60/362,158

PRIOR FILING DATE: 2002-03-05

NUMBER OF SEQ ID NOS: 455

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 244

LENGTH: 325

TYPE: PRT

ORGANISM: Homo sapiens

US-10-205-823-244

Query Match 4.3%; Score 190; DB 15; Length 325;

Best Local Similarity 30.1%; Pred. No. 1.4e-08;

Matches 44; Conservative 34; Mismatches 62; Indels 6; Gaps 2;

QY 119 ELVWKDDLTTHAVDAVNVANANEDLLHGGGLALALVKAGFEIOESKQFVARYGKVSAG 178

DB 153 KISLRSDITKLEDAVNAANSSLLGGGVDCIHRAGPLTDECTLOS---CKTG 208

QY 179 EIAVTAGRLPCQKQIIHAVGPRMWMWDKQCTGKLGQRAIVSILNVYIKNTIKITVAIPA 238

DB 209 KAKITGGRRLPAKYVIHVGPIAVGEPASQAELRSCYLSLDLL--EHLRSVAFPC 266

QY 239 LSSGIFQFPPLNCTKIVETIRVSIQ 264

DB 267 ISTGVFGYPCBAAEIVLATLREWLE 292

## RESULT 15

US-09-882-529-12

Sequence 12, Application US/09882529

Patent No. US2002013317A1

GENERAL INFORMATION:

APPLICANT: Peyman, John A

APPLICANT: da Silva, Antonio

APPLICANT: Hockman, Paula

TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC

FILE REFERENCE: 15966-771

CURRENT APPLICATION NUMBER: US/09/882,529

CURRENT FILING DATE: 2001-09-12

PRIOR APPLICATION NUMBER: 60/211,565

PRIOR FILING DATE: 2000-06-15

NUMBER OF SEQ ID NOS: 16

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 12

LENGTH: 116

TYPE: PRT

ORGANISM: Homo sapiens

US-09-882-529-12

Query Match 4.0%; Score 179.5; DB 10; Length 116;

Best Local Similarity 37.2%; Pred. No. 2.2e-08;

Matches 45; Conservative 23; Mismatches 48; Indels 5; Gaps 2;

QY 136 VNAANEDLLHGGGLALALVKAGFEIOESKQFVARYGKVSAGEIAVTAGRLPCQKQIIH 195

DB 1 VNAANSRLRHGGVAGAIARAAGKEAWPEA---FKKAPKCVGEAVLITGGGLPAKYVIH 57

QY 196 AVGPRMWMWDKQCTGKLGQRAIVSILNVYIKNTIKITVAIPAASSGIFQFPPLNCTRTI 255

DB 58 AVGPWFSGGEGEDELLEKAYRAILR--LADENGISVAPPLSTGTGIGPKDRAQSL 115

QY 256 V 256

DB 116 L 116

Search completed: October 28, 2003, 15:10:15  
Job time : 36 secs



```

; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C3
; CURRENT APPLICATION NUMBER: US/09/389,681A
; CURRENT FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 214
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-389-681-24

Query Match
Best Local Similarity 7.4%; Score 190; DB 4; Length 214;
Matches 193; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2365 ATAGATGTCATGACAGTGTGTTGACATGCTCTCCAGCCCTGAAACCTTTGTTATTTT 2424
DB 214 AAAGATGTCATGACAGTGTGTTGACATGCTCTCCAGCCCTGAAACCTTTGTTATTTT 155
QY 2425 AGTGCATGACAGCTATACCTAGTATTGTGACATGACACCCAGGAATATGTACAGTCA 2484
DB 154 AGTGCATGACAGCTATACCTAGTATTGTGACATGACACCCAGGAATATGTACAGTCA 95
QY 2485 CAAGATTACTCATCAGACCAATGAGACCCCTTTGACAGACATCTTTGAGGGGATTCGCA 2544
DB 94 CAAGATTACTCATCAGACCAATGAGACCCCTTTGACAGACATCTTTGAGGGGATTCGCA 35
QY 2545 AGTGCACGCCCTGTGAT 2562
DB 34 AGTGCACGCCCTGTGAT 17

RESULT 3
US-09-620-405B-24/c
; Sequence 24, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugui
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C8
; CURRENT APPLICATION NUMBER: US/09/620,405B
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 214
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-620-405B-24

Query Match
Best Local Similarity 7.4%; Score 190; DB 4; Length 214;
Matches 193; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2365 ATAGATGTCATGACAGTGTGTTGACATGCTCTCCAGCCCTGAAACCTTTGTTATTTT 2424
DB 214 AAAGATGTCATGACAGTGTGTTGACATGCTTTCCACCCCTGAAACCTTTGTTATTTT 155
QY 2425 AGTGCATGACAGCTATACCTAGTATTGTGACATGACACCCAGGAATATGTACAGTCA 2484
DB 154 AGTGCATGACAGCTATACCTAGTATTGTGACATGACACCCAGGAATATGTACAGTCA 95
QY 2485 CAAGATTACTCATCAGACCAATGAGACCCCTTTGACAGACATCTTTGAGGGGATTCGCA 2544
DB 94 CAAGATTACTCATCAGACCAATGAGACCCCTTTGACAGACATCTTTGAGGGGATTCGCA 35
QY 2545 AGTGCACGCCCTGTGAT 2562
DB 34 AGTGCACGCCCTGTGAT 17
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DB 94 CAAGATTACTCATCAGACCAATGAGACCCCTTTGACAGACATCTTTGAGGGGATTCGCA 35
QY 2545 AGTGCACGCCCTGTGAT 2562
DB 34 AGTGCACGCCCTGTGAT 17

RESULT 4
US-09-339-338-24/c
; Sequence 24, Application US/09339338A
; Patent No. 6573368
; GENERAL INFORMATION:
; APPLICANT: Yugui, Jiang
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 214
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-339-338-24

Query Match
Best Local Similarity 7.4%; Score 190; DB 4; Length 214;
Matches 193; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2365 ATAGATGTCATGACAGTGTGTTGACATGCTCTCCAGCCCTGAAACCTTTGTTATTTT 2424
DB 214 AAAGATGTCATGACAGTGTGTTGACATGCTTTCCACCCCTGAAACCTTTGTTATTTT 155
QY 2425 AGTGCATGACAGCTATACCTAGTATTGTGACATGACACCCAGGAATATGTACAGTCA 2484
DB 154 AGTGCATGACAGCTATACCTAGTATTGTGACATGACACCCAGGAATATGTACAGTCA 95
QY 2485 CAAGATTACTCATCAGACCAATGAGACCCCTTTGACAGACATCTTTGAGGGGATTCGCA 2544
DB 94 CAAGATTACTCATCAGACCAATGAGACCCCTTTGACAGACATCTTTGAGGGGATTCGCA 35
QY 2545 AGTGCACGCCCTGTGAT 2562
DB 34 AGTGCACGCCCTGTGAT 17

RESULT 5
US-09-433-826B-24/c
; Sequence 24, Application US/09433826B
; Patent No. 6579973
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugui
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C4
; CURRENT APPLICATION NUMBER: US/09/433,826B
; CURRENT FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 474
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 214
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-433-826B-24
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Db 1091 RRRRRRRRRRRRRRRRRRRRRRATGCCAGCTCCCTGACCTGGACCGCAAGCTCGGA 1032

QY 2137 AAT 2139

Db 1031 ATT 1029

# RESULT 8

US-09-189-760-5

; Sequence 5, Application US/09189760

; Patent No. 6031078

; GENERAL INFORMATION:

; APPLICANT: Khodadoust, Mehran

; TITLE OF INVENTION: NOVEL MTBX PROTEIN AND NUCLEIC ACID MOLECULES AND USES

; FILE REFERENCE: MNI-046CP2

; CURRENT APPLICATION NUMBER: US/09/189,760

; EARLIER APPLICATION NUMBER: 09/163,116

; EARLIER FILING DATE: 1998-09-29

; EARLIER APPLICATION NUMBER: 60/089,467

; EARLIER FILING DATE: 1998-06-16

; EARLIER APPLICATION NUMBER: (PENDING)

; EARLIER FILING DATE: 1998-11-09

; NUMBER OF SEQ ID NOS: 10

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 5

; LENGTH: 1529

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (3)..(749)

US-09-189-760-5

Query Match 1.7%; Score 44; DB 3; Length 1529;

Best Local Similarity 48.3%; Pred. No. 0.017;

Matches 113; Conservative 3; Mismatches 118; Indels 0; Gaps 0;

QY 1334 TTTTGTGGATGAAGTTTAAACATTTGCCAAAGACCAGTAAACACAGTTAACTGTAA 1393

Db 873 TTTTGTGCAATTTCTTAAAGAGGTCGCAAGCTTTGATTTGCTGACGATTAAGTAA 932

QY 1394 AATTGTGATCTTTCCAAAGATTTGAGATATATAGGCTTTCAGTTTGAATGGCAA 1453

Db 933 CAACCTAGCATTTTAAAGATTTAGATTAAGAGCTTTAAGATTTTAAATTGCA 992

QY 1454 AGAGTCCAGATGCTGATTTGAACATTTACAGTGTCCCGCAGTCAACAGAGAGAGA 1513

Db 993 AGGATCCAGAGTTTCTGTATTTATCTTATTTGGGAGACACTAACMATTCAAGAGCAGG 1052

QY 1514 AAAGAGAAATGGGCTTGAAGCTAGATCTCTGCCATCAATGTGATGATTCGA 1567

Db 1053 CTGTGAACATTTGGTCCGACGATGATGATTAAGCTTTGATTTCA 1106

# RESULT 9

US-09-188-811-5

; Sequence 5, Application US/09188811

; Patent No. 6037148

; GENERAL INFORMATION:

; APPLICANT: Khodadoust, Mehran

; TITLE OF INVENTION: NOVEL MTBX PROTEIN AND NUCLEIC ACID MOLECULES AND USES

; FILE REFERENCE: MNI-046CP

; CURRENT APPLICATION NUMBER: US/09/188,811

; EARLIER APPLICATION NUMBER: 09/163,116

; EARLIER FILING DATE: 1998-11-09

; EARLIER APPLICATION NUMBER: 60/089,467

; EARLIER FILING DATE: 1998-06-16

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 5

; LENGTH: 1529

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (3)..(749)

US-09-188-811-5

Query Match 1.7%; Score 44; DB 3; Length 1529;

Best Local Similarity 48.3%; Pred. No. 0.017;

Matches 113; Conservative 3; Mismatches 118; Indels 0; Gaps 0;

QY 1334 TTTTGTGGATGAAGTTTAAACATTTGCCAAAGACCAGTAAACACAGTTAACTGTAA 1393

Db 873 TTTTGTGCAATTTCTTAAAGAGGTCGCAAGCTTTGATTTGCTGACGATTAAGTAA 932

QY 1394 AATTGTGATCTTTCCAAAGATTTGAGATATATAGGCTTTCAGTTTGAATGGCAA 1453

Db 933 CAACCTAGCATTTTAAAGATTTAGATTAAGAGCTTTAAGATTTTAAATTGCA 992

QY 1454 AGAGTCCAGATGCTGATTTGAACATTTACAGTGTCCCGCAGTCAACAGAGAGAGA 1513

Db 993 AGGATCCAGAGTTTCTGTATTTATCTTATTTGGGAGACACTAACMATTCAAGAGCAGG 1052

QY 1514 AAAGAGAAATGGGCTTGAAGCTAGATCTCTGCCATCAATGTGATGATTCGA 1567

Db 1053 CTGTGAACATTTGGTCCGACGATGATGATTAAGCTTTGATTTCA 1106

# RESULT 10

US-09-514-422-5

; Sequence 5, Application US/09514422

; Patent No. 6291193

; GENERAL INFORMATION:

; APPLICANT: Khodadoust, Mehran

; TITLE OF INVENTION: NOVEL MTBX PROTEIN AND NUCLEIC ACID MOLECULES AND USES

; FILE REFERENCE: MNI-046CP2

; CURRENT APPLICATION NUMBER: US/09/514,422

; EARLIER APPLICATION NUMBER: 2000-02-28

; EARLIER FILING DATE: 1998-11-10

; EARLIER APPLICATION NUMBER: 09/163,116

; EARLIER FILING DATE: 1998-09-29

; EARLIER APPLICATION NUMBER: 60/089,467

; EARLIER FILING DATE: 1998-06-16

; EARLIER APPLICATION NUMBER: (PENDING)

; EARLIER FILING DATE: 1998-11-09

; NUMBER OF SEQ ID NOS: 10

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 5

; LENGTH: 1529

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (3)..(749)

US-09-514-422-5

Query Match 1.7%; Score 44; DB 3; Length 1529;

Best Local Similarity 48.3%; Pred. No. 0.017;

Matches 113; Conservative 3; Mismatches 118; Indels 0; Gaps 0;

QY 1334 TTTTGTGGATGAAGTTTAAACATTTGCCAAAGACCAGTAAACACAGTTAACTGTAA 1393

Db 873 TTTTGTGCAATTTCTTAAAGAGGTCGCAAGCTTTGATTTGCTGACGATTAAGTAA 932

QY 1394 AATTGTGATCTTTCCAAAGATTTGAGATATATAGGCTTTCAGTTTGAATGGCAA 1453

Db 933 CAACCTAGCATTTTAAAGATTTAGATTAAGAGCTTTAAGATTTTAAATTGCA 992

QY 1454 AGAGTCCAGATGCTGATTTGAACATTTACAGTGTCCCGCAGTCAACAGAGAGAGA 1513

Db 993 AGGATCCAGAGTTTCTGTATTTATCTTATTTGGGAGACACTAACMATTCAAGAGCAGG 1052

QY 1514 AAGAGAAATGGCTTGAAGCTAGATCTCTCCATCAATCTGATGGATTCA 1567  
Db 1053 CTGTGAACATTGGTGCCCGAGTGTATCAGATGATGTTAAACCTTATTCTCA 1106

## RESULT 11

US-09-189-760-1  
Sequence 1, Application US/09189760

Patent No. 6031078  
GENERAL INFORMATION:

APPLICANT: Khodadoust, Mehran

TITLE OF INVENTION: NOVEL MTBX PROTEIN AND NUCLEIC ACID MOLECULES AND USES

TITLE OF INVENTION: THEREFOR

FILE REFERENCE: NMI-046CP2

CURRENT APPLICATION NUMBER: US/09/189,760

EARLIER APPLICATION NUMBER: 09/163,116

EARLIER FILING DATE: 1998-09-29

EARLIER APPLICATION NUMBER: 60/089,467

EARLIER FILING DATE: 1998-06-16

EARLIER APPLICATION NUMBER: (PENDING)

NUMBER OF SEQ ID NOS: 10

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1

LENGTH: 2494

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (164) .. (1714)

US-09-189-760-1

Query Match 1.7%; Score 43.2; DB 3; Length 2494;  
Best Local Similarity 47.4%; Pred. No. 0.037;

Matches 111; Conservative 5; Mismatches 118; Indels 0; Gaps 0;

QY 1334 TTTTGTGATGAGTTTAACTTGGCCAAAGCAGTGAATAAACCAGTTAACTGTAA 1393

Db 1838 KTTGTGCAATTTCTTAAGAAAGTGCCAAAGCTTTTATGTCGACGTAACTGAAA 1897

QY 1394 AATTGTGATCTTCCCAACAGATTTGGAGATATATAAGCTTCACTTGAATGGCAA 1453

Db 1898 CAAACCTAGCATTTTMAAATAATATGATTAAGAGCTTTAAGATTTTAAATTCGA 1957

QY 1454 AGAGTCCAAAGTCTGAGTTTGAACAATTAAGTGTCCCAAGTCAACAGAGAGAGA 1513

Db 1958 AGGATCCAAAGTGTCTGATTTATCTTATTTGGGAGACACTAACMTTCAAGAAGCAGG 2017

QY 1514 AAGAGAAATGGGCTTGAAGCTAGATCTCTGCCATCAATCTGATGGGATTCA 1567

Db 2018 CTGTGAACATTGGTGCCCGAGTGTCTATCAGATGATGTTAAACCTTGAATTCCTCA 2071

## RESULT 12

US-09-514-422-1

Sequence 1, Application US/09514422

Patent No. 6291193  
GENERAL INFORMATION:

APPLICANT: Khodadoust, Mehran

TITLE OF INVENTION: NOVEL MTBX PROTEIN AND NUCLEIC ACID MOLECULES AND USES

TITLE OF INVENTION: THEREFOR

FILE REFERENCE: NMI-046CP2

CURRENT APPLICATION NUMBER: US/09/514,422

EARLIER APPLICATION NUMBER: 2000-02-28

EARLIER FILING DATE: 1998-11-10

EARLIER APPLICATION NUMBER: 09/163,116

EARLIER FILING DATE: 1998-09-29

EARLIER APPLICATION NUMBER: 60/089,467

EARLIER FILING DATE: 1998-06-16

EARLIER APPLICATION NUMBER: (PENDING)

PRIOR FILING DATE: 1998-11-09  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 1

LENGTH: 2494

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (164) .. (1714)

US-09-514-422-1

Query Match 1.7%; Score 43.2; DB 3; Length 2494;  
Best Local Similarity 47.4%; Pred. No. 0.037;

Matches 111; Conservative 5; Mismatches 118; Indels 0; Gaps 0;

QY 1334 TTTTGTGATGAGTTTAACTTGGCCAAAGCAGTGAATAAACCAGTTAACTGTAA 1393

Db 1838 KTTGTGCAATTTCTTAAGAAAGTGCCAAAGCTTTTATGTCGACGTAACTGAAA 1897

QY 1394 AATTGTGATCTTCCCAACAGATTTGGAGATATATAAGCTTCACTTGAATGGCAA 1453

Db 1898 CAAACCTAGCATTTTMAAATAATATGATTAAGAGCTTTAAGATTTTAAATTCGA 1957

QY 1454 AGAGTCCAAAGTCTGAGTTTGAACAATTAAGTGTCCCAAGTCAACAGAGAGAGA 1513

Db 1958 AGGATCCAAAGTGTCTGATTTATCTTATTTGGGAGACACTAACMTTCAAGAAGCAGG 2017

QY 1514 AAGAGAAATGGGCTTGAAGCTAGATCTCTGCCATCAATCTGATGGGATTCA 1567

Db 2018 CTGTGAACATTGGTGCCCGAGTGTCTATCAGATGATGTTAAACCTTGAATTCCTCA 2071

## RESULT 13

US-09-620-312D-544

Sequence 544, Application US/09620312D

Patent No. 6569662  
GENERAL INFORMATION:

APPLICANT: Tang, Y. Tom

APPLICANT: Liu, Chenghua

APPLICANT: Asundi, Vinod

APPLICANT: Zhang, Jie

APPLICANT: Ren, Feiyan

APPLICANT: Chen, Rui-hong

APPLICANT: Zhao, Qing A.

APPLICANT: Wehrman, Tom

APPLICANT: Xue, Aidong J.

APPLICANT: Yang, Yonghong

APPLICANT: Wang, Jian-Rui

APPLICANT: Zhou, Ping

APPLICANT: Ma, Yundong

APPLICANT: Wang, Dunrui

APPLICANT: Wang, Zhilwei

APPLICANT: John Tillinghast

APPLICANT: Drmanac, Radoje T.

TITLE OF INVENTION: No. 6569662el Nucleic acids and

TITLE OF INVENTION: Polypeptides

FILE REFERENCE: 784CIP2B

CURRENT APPLICATION NUMBER: US/09/620,312D

EARLIER APPLICATION NUMBER: 2000-07-19

EARLIER FILING DATE: 2000-04-25

EARLIER APPLICATION NUMBER: 09/488,725

EARLIER FILING DATE: 2000-01-21

EARLIER APPLICATION NUMBER: 1105

SOFTWARE: pc\_FL\_genes Version 1.0

SEQ ID NO 544

LENGTH: 1505

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (72) .. (1208)

US-09-620-312D-544

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Best Local Similarity	59.1%;	Pred. No. 0.89;		
Matches	65;	Conservative	0;	Mismatches 45;
			Indels	0;
			Gaps	0;

0y 1692 GCTTCAGAAAACITCAAGTGTCTCCATCAAGAAATTTATCAAGCCAGGAAGACAGATT 1751  
 Db 1062 GATTTGGAAATTATAGTGCACACAGCAATCMAATTATGACACCCATGAAAGGGGCAGT 1122

QY 1752 AGAGATTGAAGACGCCCGGCTGACTCATTTAGGTGGTATGAACATG 180D  
| | | | | | | | | | | | | | | |  
Db 1122 TTGTGTAAGAACGTCGGGCAGTCCCTTAGTGCTGTATGATCTGG 1171D

RESULT 14  
US-09-107-532A-2458/c  
; Sequence 2458, Application US/09107532A

GENERAL INFORMATION:

?  
 ? TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
 ? ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS  
 ?  
 ? NUMBER OF SEQUENCES: 7310  
 ?  
 ? CORRESPONDENCE ADDRESS:  
 ?

```

; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
;

```

```

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>

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APPLICATION NUMBER: US/09/107,532R  
 FILING DATE: 30-Jun-1998  
 PRIOR APPLICATION DATA:

FILING DATE: 14 May 1998  
 APPLICATION NUMBER: 60/051571  
 FILING DATE: July 2, 1997  
 ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 40,489  
REFERENCE/DOCKET NUMBER: GTC-012  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (781) 893-5007

TELEFAX: (781)893-8211  
 INFORMATION FOR SEQ ID NO: 2458:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1536 base pairs  
 TYPE: nucleic acid

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; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANNOT. SEQUENCE: NO

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; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
;
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (no location)

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; LOCATION: (B) LOCATION 1...1536
; SEQUENCE DESCRIPTION: SEQ ID NO: 2458
US-09-107-532A-2458

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Query Match	1.5%	Score 37.8;	DB 4;	Length 1536;
Best Local Similarity	49.3%	Pred. No. 1;		
Matches 99;	Conservative 0;	Mismatches 102;	Indels 0;	Gaps 0

1211 AGATATTAAACATGCAATGAAGAGTGTTTGGAAAAATGCATTGAGCAAAATATACTT 1270

Db 967 ATATAGAAGAAAAAGATTAGTGA CTGCTTGATATAAAAAATCTTTT TTAATAGCTCAA 908

Oy 1271 CCCATTCTTCCCTGCCCCCTGGGCACTGGAACTAAAGAAAGGAAACAGCAGCAG 133  
 1272 TTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTT  
 Db 907 ATGATCTCTTTTCTTTTATTTGATACAGCAAAATTTCCCTACCTTGGCCGCGATAGATTAG 848

Oy  
133 | AAGTCTTTGTTGTATGAAGTTTTAAACATTTCGCCAAGAACCATGTAAAAACCAGTTTAAGTG 139

Db  
847 TAAATTGGTTACAATAATTTTGCACACTTGTCACATCATGAAATAGTTGAATAAATTCC 788

Qy 1391 TAAATTGTGATCTTCCA 1411  
| | | | |  
Db 787 CTACAGCTGTTAATTACAA 767

RESULT 15  
US-08-072-281-1/c  
; Sequence 1, Application US/08072281

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; GENERAL INFORMATION:
; APPLICANT: Fischhoff, David A
; APPLICANT: Fuchs, Roy L.
; APPLICANT: Lavrik, Paul B.

```

APPLICANT: Perlak, Frederick J.  
TITLE OF INVENTION: Insect Resistant Plants  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:

STREET: 700 Chesterfield Parkway No. 5495071th  
CITY: St. Louis  
STATE: Missouri  
COUNTRY: United States of America

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;
;      000000
;
;      COMPUTER READABLE FORM:
;
;      MEDIUM TYPE: Floppy disk
;
;      COMPUTER: IBM PC compatible
;
;      OPERATING SYSTEM: PC-DOS/MS

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SOFTWARE: FACSIMILE RELEASE #1.0/  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/072,281  
FILING DATE: 19930604  
CLASSIFICATION: 800

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/523284  
 FILING DATE: 14-MAY-1990  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lavin Jr., Lawrence M.

REGISTRATION NUMBER: 30/168  
REFERENCE/DOCKET NUMBER: 38-21(10629)A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (314) 537-7286  
TELEFAX: (314) 537-6047

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; INFORMATION FOR SEQ ID NO: 1
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; SEQUENCE CHARACTERISTICS:
;   LENGTH: 2615 base pairs
;   TYPE: NUCLEIC ACID
;   STRANDEDNESS: double

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;      TOPOLOGY: linear
;      MOLECULE TYPE: DNA (genomic)
;      FEATURE:
;      NAME/KEY: CDS
;      LOCATION: 205..3170

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LOCATION: 205..2139  
US-08-072-281-1  
Query Match

Matches	73;	Conservative	0;	Mismatches	60;	Indels	0;	Gaps	0.
QV	1303	ATGGAATTAAGAAGAAACAGCAGCAGATTTTGTTCATGAAGTTTAAACATTGCC	1366						

Db 2553 ATGCAACCAATCATTATAAGAAATTAAGATCTTGTCTATTAGCGAATCAATGGGAC 2494

Qy	1363	AAAGACCATGTAAACACCGTTAACTGTAAATTGTGATCTTTCACACGATTGGAG	1422
Db	2493	ATTAATCGATGGAACACAGCTCTGTATACAAATATGATGATCTTAAGCGTCTTGAG	2434
Qy	1423	ATATATTAAGGCTT	1435
Db	2433	CTATGAACGTTT	2421

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Job time : 225 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: October 27, 2003, 15:10:19 ; Search time 865 Seconds  
(without alignments)  
7943.091 Million cell updates/sec

Title: US-09-830-762-3  
Perfect score: 2562  
Sequence: 1 atggacttttcattggtggc.....caagtggcagccctgtgat 2562

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 1792395 seqs, 1340900451 residues

Total number of hits satisfying chosen parameters: 3584790

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_NA:\*

- 1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*
- 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/1/pubpna/US09A\_PUBCOMB.seq:\*
- 10: /cgn2\_6/ptodata/1/pubpna/US09B\_PUBCOMB.seq:\*
- 11: /cgn2\_6/ptodata/1/pubpna/US09C\_PUBCOMB.seq:\*
- 12: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*
- 13: /cgn2\_6/ptodata/1/pubpna/US10A\_PUBCOMB.seq:\*
- 14: /cgn2\_6/ptodata/1/pubpna/US10B\_PUBCOMB.seq:\*
- 15: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*
- 16: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2402.4	93.8	3016	10	US-09-882-529-1 Sequence 1, Appli
2	792	30.9	854	12	US-09-814-353-20338 Sequence 20338, A
3	792	30.9	854	14	US-10-198-846-11020 Sequence 11020, A
4	588.6	23.0	820	12	US-09-814-353-20362 Sequence 20362, A
5	425.6	16.6	482	11	US-09-918-995-35525 Sequence 35525, A
6	419	16.4	430	11	US-09-918-995-36432 Sequence 36432, A
7	416.8	16.3	985	12	US-09-814-353-21765 Sequence 21765, A
8	384	15.0	428	12	US-09-814-353-2187 Sequence 2187, Ap
9	384	15.0	428	12	US-09-814-353-8528 Sequence 8528, Ap
10	384	15.0	519	12	US-09-814-353-14912 Sequence 14912, A
11	379.4	14.8	447	14	US-10-198-846-1770 Sequence 1770, Ap
12	346.8	13.5	350	14	US-10-060-036-1467 Sequence 1467, Ap
13	325.4	12.7	588	12	US-09-814-353-16893 Sequence 16893, A
14	316.2	12.3	430	12	US-09-814-353-16914 Sequence 16914, A
15	303.6	11.9	359	12	US-09-814-353-4224 Sequence 4224, Ap
16	303.6	11.9	359	12	US-09-814-353-10530 Sequence 10530, A

17	286.4	11.2	525	12	US-09-814-353-4203 Sequence 4203, Ap
18	286.4	11.2	525	12	US-09-814-353-10509 Sequence 10509, A
19	267.2	10.4	537	12	US-09-814-353-1284 Sequence 1284, Ap
20	267.2	10.4	537	12	US-09-814-353-7648 Sequence 7648, Ap
21	230.4	9.0	629	12	US-09-814-353-18446 Sequence 18446, A
22	230.4	9.0	678	12	US-09-814-353-5779 Sequence 5779, Ap
23	230.4	9.0	678	12	US-09-814-353-12062 Sequence 12062, A
24	226	8.8	238	10	US-09-796-692-7357 Sequence 7357, Ap
25	226	8.8	238	14	US-10-040-862-7357 Sequence 7357, Ap
26	190	7.4	214	9	US-09-604-287A-24 Sequence 24, Appl
27	190	7.4	214	10	US-09-339-338-24 Sequence 24, Appl
28	190	7.4	214	11	US-09-551-621-24 Sequence 24, Appl
29	190	7.4	214	12	US-10-124-805-24 Sequence 24, Appl
30	190	7.4	214	13	US-10-007-805-24 Sequence 24, Appl
31	190	7.4	214	14	US-10-076-622-24 Sequence 24, Appl
32	180	7.0	180	10	US-09-878-178-1590 Sequence 1590, Ap
33	180	7.0	180	13	US-10-046-935-1590 Sequence 1590, Ap
34	180	7.0	180	14	US-10-146-502-1590 Sequence 1590, Ap
35	170.4	6.7	413	12	US-09-814-353-14961 Sequence 14961, A
36	121.2	4.7	3348	13	US-10-044-090-664 Sequence 664, App
37	70.2	2.7	71	10	US-09-998-598-2276 Sequence 2276, Ap
38	69	2.7	563	14	US-10-060-036-1413 Sequence 1413, Ap
39	54.4	2.1	295	12	US-09-814-353-2237 Sequence 2237, Ap
40	54.4	2.1	295	12	US-09-814-353-8577 Sequence 8577, Ap
41	49.2	1.9	1198	12	US-10-006-285-312 Sequence 312, App
42	44.8	1.7	533	9	US-09-777-564-138 Sequence 138, App
43	44.8	1.7	533	14	US-10-015-219-138 Sequence 138, App
44	44.8	1.7	649	9	US-09-777-564-375 Sequence 375, App
45	44.8	1.7	649	14	US-10-015-219-375 Sequence 375, App

ALIGNMENTS

RESULT 1

US-09-882-529-1  
; Sequence 1, Application US/09882529  
; Patent No. US20020132317A1  
; GENERAL INFORMATION:  
; APPLICANT: Peyman, John A  
; APPLICANT: da Silva, Antonio  
; APPLICANT: Hockman, Paula  
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING SAME  
; FILE REFERENCE: 15966-771  
; CURRENT APPLICATION NUMBER: US/09/882,529  
; PRIOR FILING DATE: 2001-09-12  
; PRIOR APPLICATION NUMBER: 60/211,565  
; PRIOR FILING DATE: 2000-06-15  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 3016  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (123)..(2579)  
US-09-882-529-1

Query Match 93.8%; Score 2402.4; DB 10; Length 3016;  
Best Local Similarity 99.8%; Pred No. 0;  
Matches 2406; Conservative 0; Mismatches 6; Indels 0; Gaps 0;  
QY 151 TCAGAGACTGGTCTTTGGAGAAACTATAGTTGGCAATTCCTCCAGTAATAGTTGGC 210  
Db 168 TCAGAGACTGGTCTTTGGAGAAACTATAGTTGGCAATTCCTCCAGTAATAGTTGGC 227  
QY 211 TTCAAAATTTTAAAAAATATGAGCTGAGCTGTGTGAAGTCTCCAGTAATAGTTGGC 270  
Db 228 TTCAAAATTTTAAAAAATATGAGCTGAGCTGTGTGAAGTCTCCAGTAATAGTTGGC 287  
QY 271 TGTATCTCTACCTTGCTCTCTCCAGTTTCAGGAAGGCAACAGCAAAATCTCTGCAAGTGTTTC 330

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288 TGTATCTCTACCTGGTCTCTCCAGTTTCAGGAGGCAACAATACTCTCGAAGTGTC 347  
QY  
331 AGAAAAATGCTGACTCCTAGGATAGAGTTATCAGTCTGGAAGATGACCTCACACACAT 390  
Db  
348 AGAAAAATGCTGACTCCTAGGATAGAGTTATCAGTCTGGAAGATGACCTCACACACAT 407  
QY  
391 GCTGTTGATGCTGGTGAATGACGCCAATGAAGATCTTCTGCATGGGGAGGCTTGCC 450  
Db  
408 GCTGTTGATGCTGGTGAATGACGCCAATGAAGATCTTCTGCATGGGGAGGCTTGCC 467  
QY  
451 CTGGCCCTGGTAAAGAGCTGGTGAATTCGAAATCCAAAGAGAGACAAACAGTTGTTGCC 510  
Db  
468 CTGGCCCTGGTAAAGAGCTGGTGAATTCGAAATCCAAAGAGAGACAAACAGTTGTTGCC 527  
QY  
511 AGATATGTAAGTGTCAAGCTGGTGAGATAGTGTCAAGGAGCAGGAGGCTTCCCTGC 570  
Db  
528 AGATATGTAAGTGTCAAGCTGGTGAGATAGTGTCAAGGAGCAGGAGGCTTCCCTGC 587  
QY  
571 AAACAGATCATCCATGCTTGGGCTCGGTGGATGGATGGGATAAACAGGGATGACT 630  
Db  
588 AAACAGATCATCCATGCTTGGGCTCGGTGGATGGATGGGATAAACAGGGATGACT 647  
QY  
631 GGAAAGCTGCAGAGGCCATTTGTAAGTATCTGAAATATGTCTATAAAAAATCTCAC 690  
Db  
648 GGAAAGCTGCAGAGGCCATTTGTAAGTATCTGAAATATGTCTATAAAAAATCTCAC 707  
QY  
691 ATTAAGACAGTAGCAATTTCCAGCTTGGAGTCTGGGATTTTTCAGTTCCTCTGAAATTG 750  
Db  
708 ATTAAGACAGTAGCAATTTCCAGCTTGGAGTCTGGGATTTTTCAGTTCCTCTGAAATTG 767  
QY  
751 TGTACAAAGACTATTTGTAGACTATCCGGTGTAGTTTGCAGAGGAAACCAATGATGAGT 810  
Db  
768 TGTACAAAGACTATTTGTAGACTATCCGGTGTAGTTTGCAGAGGAAACCAATGATGAGT 827  
QY  
811 AATTGGAAGAAATTCACCTGGTGAAGTATGAGGACCTCTGTTGCTGCTTAAAGCT 870  
Db  
828 AATTGGAAGAAATTCACCTGGTGAAGTATGAGGACCTCTGTTGCTGCTTAAAGCT 887  
QY  
871 GCTTCAGAAATTCATCCTAGGGAAGTGTAGCTGGGACAAAGAACCCACCTCTCTTCAAT 930  
Db  
888 GCTTCAGAAATTCATCCTAGGGAAGTGTAGCTGGGACAAAGAACCCACCTCTCTTCAAT 947  
QY  
931 GCAATGGTCTGAACAACTGACCTCCAGATTGTCCAGGGCCACATTTGAATGGCAGAC 990  
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QY  
991 GCAGATGTAATTTGTTAATCTGTAACCCACATGATATTACAGTTGGACCTGTGGCAAG 1050  
Db  
1008 GCAGATGTAATTTGTTAATCTGTAACCCACATGATATTACAGTTGGACCTGTGGCAAG 1067  
QY  
1051 TCAATTTCAACAGCAGGAGTTGAAATCGAAATCGAAATTTCTTGGCACAAGGCTAAA 1110  
Db  
1068 TCAATTTCAACAGCAGGAGTTGAAATCGAAATCGAAATTTCTTGGCACAAGGCTAAA 1127  
QY  
1111 CAGTTTCAACGGTCCAGTTGGTACTGTGCATGATGATGATGATGATGATGATGATGAT 1170  
Db  
1128 CAGTTTCAACGGTCCAGTTGGTACTGTGCATGATGATGATGATGATGATGATGATGAT 1187  
QY  
1171 ATATACCATGATCTGTGGCATTTCAGAAATTTCTTAAACCTCAGATATTAACATGCAATG 1230  
Db  
1188 ATATACCATGATCTGTGGCATTTCAGAAATTTCTTAAACCTCAGATATTAACATGCAATG 1247  
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1231 AAGGAGTGTGGAATAATGCAATGAGCAAAATATACTTCCATTTCTTCTGCTGCTT 1290  
Db  
1248 AAGGAGTGTGGAATAATGCAATGAGCAAAATATACTTCCATTTCTTCTGCTGCTT 1307  
QY  
1291 GGGACTGAAACATGGAATAATGAAGAGAAACAGCAGCAGAGATTTTGTGATGAAGTT 1350  
Db  
1308 GGGACTGAAACATGGAATAATGAAGAGAAACAGCAGCAGAGATTTTGTGATGAAGTT 1367  
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1351 TTAACATTTGCCAAGACCATGTAACACACAGTTTAACTGTAAATTTTGTGATCTTTCCA 1410  
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Db  
1368 TTAACATTTGCCAAGACCATGTAACAAACACAGCTTAACTGTAAATTTGTGATCTTTCCA 1427  
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1411 ACAGATTTGGAGATATATAAGGCTTTTCAGTTCTGAAATGGCAAGAGGCTTCAAGATGCTG 1470  
Db  
1428 ACAGATTTGGAGATATATAAGGCTTTTCAGTTCTGAAATGGCAAGAGGCTTCAAGATGCTG 1487  
QY  
1471 AGTTTGAACATTTACAGTGTCCCGCAGTCAACAGAGAGAGGAAAGAGAAAAATGGGCTT 1530  
Db  
1488 AGTTTGAACATTTACAGTGTCCCGCAGTCAACAGAGAGAGGAAAGAGAAAAATGGGCTT 1547  
QY  
1531 GAACCTAGATCTCTCGCCATCAATCTGATGGGATTCACCGTGGAGAGATGTATGAGGCC 1590  
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Db  
1608 CACGATGGATCCAAAGATCTCTGAGTCTCAGAACCAACCAACATCATTTGAGAAATATCAT 1667  
QY  
1651 ATTCTGTACCTTGGGAGAAAGGAACATGACATTTTGTCTCAGCTTCAGAAACCTTCAAGT 1710  
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1668 ATTCTGTACCTTGGGAGAAAGGAACATGACATTTTGTCTCAGCTTCAGAAACCTTCAAGT 1727  
QY  
1711 GTCTCCATCAGAAATTTATCAGCCAGGAAGGACAGAGTTAGAGATTTGAAGGAGCCGG 1770  
Db  
1728 GTCTCCATCAGAAATTTATCAGCCAGGAAGGACAGAGTTAGAGATTTGAAGGAGCCGG 1787  
QY  
1771 GCTGACCTCATTTGAGTGGTTATGAACATTTGAAGATATGCTTTGTAAGTACAGAGGAA 1830  
Db  
1788 GCTGACCTCATTTGAGTGGTTATGAACATTTGAAGATATGCTTTGTAAGTACAGAGGAA 1847  
QY  
1831 ATGCCAAGGAAAGGAGGAGCGGCTTTGGCGCTTCGTTAGGACAGTGCATTTTCAAGCA 1890  
Db  
1848 ATGCCAAGGAAAGGAGGAGCGGCTTTGGCGCTTCGTTAGGACAGTGCATTTTCAAGCA 1907  
QY  
1891 CAAAAACCCCAAGACGAAATGAAAGAAATATCATATTTCTGAAATGCTCTGTCCTCCA 1950  
Db  
1908 CAAAAACCCCAAGACGAAATGAAAGAAATATCATATTTCTGAAATGCTCTGTCCTCCA 1967  
QY  
1951 ACTCAAGAGCTTTAGATCAAAAGAAAACAGTTTGAAGAAATGTTGTTTGCAGGTTCTAAG 2010  
Db  
1968 ACTCAAGAGCTTTAGATCAAAAGAAAACAGTTTGAAGAAATGTTGTTTGCAGGTTCTAAG 2027  
QY  
2011 GTGAGAGATAGACATAGGCTCTTATGCTGCTCTTCAAGAAAGAGAAATGATG 2070  
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2028 GTGAGAGATAGACATAGGCTCTTATGCTGCTCTTCAAGAAAGAGAAATGATG 2087  
QY  
2071 GAAGAAAACTGCACAGGCAACCTGTGAGCCATAGGCTGTTTTCAGCAAGTCCCATACCAG 2130  
Db  
2088 GAAGAAAACTGCACAGGCAACCTGTGAGCCATAGGCTGTTTTCAGCAAGTCCCATACCAG 2147  
QY  
2131 TTCTGCAATGTGGTATGCAGATTTGGCTTTTCAAGAAATGATCTCGACACCTTGGATCCA 2190  
Db  
2148 TTCTGCAATGTGGTATGCAGATTTGGCTTTTCAAGAAATGATCTCGACGCTTGGATCCA 2207  
QY  
2191 AATACGGAGCTGCATATCTTCAACAGAACCTCAAAACCTGGCAGAGAGGCCAAG 2250  
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2208 AATACGGAGCTGCATATCTTCAACAGAACCTCAAAACCTGGCAGAGAGGCCAAG 2267  
QY  
2251 AAAATCTCTGTCGAGATAAGCTGATCTATGTGTTTGGAGGCTGAAGTACTCACAGGCTTC 2310  
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2268 AAAATCTCTGTCGAGATAAGCTGATCTATGTGTTTGGAGGCTGAAGTACTCACAGGCTTC 2327  
QY  
2311 TTCTGCCAGGACATCCGTTAAATATTTGTTTCCCGCCACCTGAGCTCTGAGCTATAGAT 2370  
Db  
2328 TTCTGCCAGGACATCCGTTAAATATTTGTTTCCCGCCACCTGAGCTCTGAGCTATAGAT 2387  
QY  
2371 GGTCAATCAGAGTGGTGGTGAATGTCTCCAGCCCTGAAACCTTTGTTATTTTAGTGGC 2430  
Db  
2388 GGTCAATCAGAGTGGTGGTGAATGTCTCCAGCCCTGAAACCTTTGTTATTTTAGTGGC 2447  
QY  
2431 ATGAGGCTATACCTCAGTATTTTGTGACATGACCCAGGAATATGTACAGTCAAGAT 2490  
Db  
2448 ATGAGGCTATACCTCAGTATTTTGTGACATGACCCAGGAATATGTACAGTCAAGAT 2507  
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Qy	2491	TACTCATCAGAGCCAAATGAGACCCCTTTGCACAGCATCCTTGGACGGGATTCGCAAGTGGC	2550
Db	2508	TACTCATCAGAGCCAAATGAGACCCCTTTGCACAGCATCCTTGGACGGGATTCGCAAGTGGC	2567
Qy	2551	AGCCCTGTTGAT	2562
Db	2568	AGCCCTGTTGAT	2579

## RESULT 2

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US-09-814-353-20338
; Sequence 20338, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20338
; LENGTH: 854
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 854
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-20338

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### RESULT 3

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US-10-198-846-11020
; Sequence 11020, Application US/10198846
; Publication No. US2003099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; PRIOR FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11020
; LENGTH: 854
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 854
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-11020

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316	Db	GGCCACATTTGAATGGCAGACGGCAGAGTGTAAATTTGTTAAATTTCTGTAAACCCACATGATATT	375
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376	Db	ACAGTTGGACCTGTGGCAAAAGTCAAATTTCTACAACAAGCAGGAGTTGAAATGAAATCGGAA	435
1090	Qy	TTTCTTGGCCACAAGAGCTTAAACAGTTTTCACCGTCCAGTTGGTACTGTGTCACAAGAAGGA	1149
436	Db	TTTCTTGGCCACAAGAGCTTAAACAGTTTTCACCGTCCAGTTGGTACTGTGTCACAAGAAGGA	495
1150	Qy	TTTAACTTGTTCGTGTAATATATATACCATGTACTGTGGCATTCAGAAATTTCTCTAAACCT	1209
496	Db	TTTAACTTGTTCGTGTAATATATATACCATGTACTGTGGCATTCAGAAATTTCTCTAAACCT	555
1210	Qy	CAGATATTAAACATGCAATGAAGGAGTGTTTGGAAAAATGCAATTGAGCAAAAATATAAAT	1269
556	Db	CAGATATTAAACATGCAATGAAGGAGTGTTTGGAAAAATGCAATTGAGCAAAAATATAAAT	615
1270	Qy	TCCATTTCCCTTCCTGCCCTTGGGACTGGGAAACATGGAATAAAGAAAGGAAACAGCAGCA	1329
616	Db	TCCATTTCCCTTCCTGCCCTTGGGACTGGGAAACATGGAATAAAGAAAGGAAACAGCAGCA	675
1330	Qy	GAGA-TTTTGTGTGATGCAAGTTTTAAATTTGCCAAGACCATGTAAAAACACAGTTAAAC	1388
676	Db	GAGATTTTGTGTGATGCAAGTTTTAAATTTGCCAAGACCATGTAAAAACACAGTTAAAC	735
1389	Qy	TGTAAATTTGTGATCTTTTCCACAGATTTTGGAGATATATAAGGCTTTTCAGTTCTCGAAAT	1448
736	Db	TGTAAATTTGTGATCTTTTCCACAGATTTTGGAGATATATAAGGCTTTTCAGTTCTCGAAAT	795
1449	Qy	GGCAAGAGGTCGAAGATGTGAGTTTGAAACAATACAGTGTCCCCAGTCAACCCAGA	1506
796	Db	GGCAAGAGGTCGAAGATGTGAGTTTGAAACAATACAGTGTCCCCAGTCAACCCAGA	853

Query Match	30.9%	Score 792;	DB 14;	Length 854;
Best Local Similarity	98.2%;	Pred. NO. 1.6e-221;		
Matches 823;	Conservative	0;	Mismatches 10;	Indels 5; Gaps 2;
Qy	670	GTCACTCTATAAAAATACTCATTAAGACAGAGTACAAATTCACGCCITTGAGCTCTGGGATT	729	
Db	20	GTCACTCTATAAAAATACTCATTAAGACAGAGTACAAATTCACGCCITTGAGCTCGCG---	76	

Qy	730	TTT	CAGTTCCCTCTGAATTTGTGTACAAAGACTAATGTAGAGACTATCCCGGGTTAGTTTG	789
Db	77	-	GACGCGTGGGTCTGAATTTGTGTACAAAGACTAATGTAGAGACTATCCCGGGTTAGTTTG	135
Qy	790	CAAGGGAGCCAATGATCAGTAATTTGAAAGAAATTCACCTGGTGAGCAATGAGACCCCT	849	
Db	136	CAAGGGAGCCAATGATGAGTAATTTGAAAGAAATTCACCTGGTGAGCAATGAGACCCCT	195	
Qy	850	ACTGTTGCTGCTTTAAAGCTGCTTCAGAAATTCATCTAGGGAAGAGTGAGCTGGGACAA	909	
Db	196	ACTGTTGCTGCTTTAAAGCTGCTTCAGAAATTCATCTAGGGAAGAGTGAGCTGGGACAA	255	
Qy	910	GAACACACCCCTCTTTCAATGCAATGGTGTGAAACAACTGACCCCTCCAGATTGTCAG	965	
Db	256	GAACACACCCCTCTTTCAATGCAATGGTGTGAAACAACTGACCCCTCCAGATTGTCAG	315	
Qy	970	GGCCACATTTGNAATGGCAGACGGCAGATGTAATTTGTTAAATTTCTGTAAACCCACATGATATT	1029	
Db	316	GGCCACATTTGNAATGGCAGACGGCAGATGTAATTTGTTAAATTTCTGTAAACCCACATGATATT	375	
Qy	1030	ACAGTTGGACCTGTGGCAAAAGTCAATTCACAAACAGCAGAGTTGAAATGAAATCCGAA	1089	
Db	376	ACAGTTGGACCTGTGGCAAAAGTCAATTCACAAACAGCAGAGTTGAAATGAAATCCGAA	435	
Qy	1090	TTTCTTGCCCAAAAGGCTAAACAGTTTCAACGGTCCCAGTTGGTACTGGTCACAAAAGGA	1149	
Db	436	TTTCTTGCCCAAAAGGCTAAACAGTTTCAACGGTCCCAGTTGGTACTGGTCACAAAAGGA	495	
Qy	1150	TTTAACTTGTTCTGTAATATATATACATGTACTGTGGCATTCAGAAATTTCTTAAACCT	1209	
Db	496	TTTAACTTGTTCTGTAATATATATACATGTACTGTGGCATTCAGAAATTTCTTAAACCT	555	
Qy	1210	CAGATATTTAAACATGCAATGAACGAGTGTTTGAAAAATGCAATTGAGCAAAAATAAATCT	1269	
Db	556	CAGATATTTAAACATGCAATGAACGAGTGTTTGAAAAATGCAATTGAGCAAAAATAAATCT	615	
Qy	1270	TCCATTTTCTTTCTGCTCCCTTGGGACTGGAAACATGGAATATAAGAGGAAACAGCAGCA	1329	
Db	616	TCCATTTTCTTTCTGCTCCCTTGGGACTGGAAACATGGAATATAAGAGGAAACAGCAGCA	675	
Qy	1330	GAGA-TTTTGTGTGATGAAATTTTAAACATTTGCCAAAGACCATGTAAAAACCAAGTTTAAAC	1388	
Db	676	GAGAATTTTGTGTGATGAAATTTTAAACATTTGCCAAAGACCATGTAAAAACCAAGTTTAAAC	735	
Qy	1389	TGTAATAATTTGTGTATCTTTCCAACAGATTTGGAGATATATAAGGCTTTTCAGTTCTCGAAAT	1448	
Db	736	TGTAATAATTTGTGTATCTTTCCAACAGATTTGGAGATATATAAGGCTTTTCAGTTCTCGAAAT	795	
Qy	1449	GGCAAGAGGTCGAAGATGCTGAGTTTGAACAAATTACAGTGTCCCCCAGTCAACACCA	1506	
Db	796	GGCAAGAGGTCGAAGATGCTGAGTTTGAACAAATTACAGTGTCCCCCAGTCAACACCA	853	

## RESULTS

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US-09-814-353-20362
; Sequence 20362, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15

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; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,681
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20362
; LENGTH: 820
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1, 2, 3, 4, 5, 6, 7, 820
; OTHER INFORMATION: n = A,T,C or G
; US-09-814-353-20362

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Query Match.	23.0%;	Score 588.6;	DB 12;	Length 820;
Best Local Similarity	97.6%;	Pred. No. 8.9e-162;		
Matches 608;	Conservative 0;	Mismatches 14;	Indels 1;	Gaps 1;
Qy	151	TCAGAGACTGGTGCCTCTTGGAGAAAACTATAGTTGGCAAAATCCCATTAACCAAAATGAC	210	
Db	198	TCAGAGACTGGTGCCTTGGAGAAAACATATAGTTGGCAAAATCCCATTAACCAAAATGAC	257	
Qy	211	TTCAAAATTTTAAAAATAATAGAGCGTCAGCTGTGTGAAGTCTCTCCAGAAATAAGTTTGGC	270	
Db	258	TTCAAAATTTTAAAAATAATAGAGCGTCAGCTGTGTGAAGTCTCTCCAGAAATAAGTTTGGC	317	
Qy	271	TGTATCTCTACCTGGTCTCTCCAGTTTCAGGAAGGCAACAGCAAAATCTCTGCAAGTGTTTC	330	
Db	318	TGTATCTCTACCTGGTCTCTCCAGTTTCAGGAAGGCAACAGCAAAATCTCTGCAAGTGTTTC	377	
Qy	331	AGAAAAATGCTGACTCCTTAGGATAGAGTTATCAGTCTGGAAGATGACCTCACCACACAT	390	
Db	378	AGAAAAATGCTGACTCCTTAGGATAGAGTTATCAGTCTGGAAGATGACCTCACCACACAT	437	
Qy	391	GCCTGTTGATGCTGTGGTGAAATGAGCAATGAAGATCTTCTGCATGGGAGAGCCCTGGCC	450	
Db	438	GCCTGTTGATGCTGTGGTGAAATGAGCAATGAAGATCTTCTGCATGGGAGAGCCCTGGCC	497	
Qy	451	CTGGCCCTGGTAAAAAGCTGTGGATTGAAATCCAAGAGAGAGCAAACTGTTGTTGCC	510	
Db	498	CTGGCCCTGGTAAAAAGCTGTGGATTGAAATCCAAGAGAGAGCAAACTGTTGTTGCC	557	
Qy	511	AGATATGGTAAAGTGTGAGTGTGAGATAGCTGTCACTGGGAGCAGGAGGCTTCCTGTC	570	
Db	558	AGATATGGTAAAGTGTGAGTGTGAGATAGCTGTCACTGGGAGCAGGAGGCTTCCTGTC	617	
Qy	571	AAACAGATCATCATGCTGTTGGGCCCTCGGTGGATGGAAATGGGATAAAACAGGATGTACT	630	
Db	618	AAACAGATCATCATGCTGTTGGGCCCTCGGTGGATGGAAATGGGATAAAACAGGATGTACT	677	
Qy	631	GGAAAGCTGCAGAGGCGCATTTGTAAGTATTTCTGAAATTTATGTCTATATAAAAATATCTCAC	690	
Db	678	TGGGCGCGCAGAG-GGCCCCATTTGTAGGTATCCGGAAATTTATGTCTATATAAAAATATCTCAC	736	
Qy	691	ATTAAAGACAGTAGCAATCCAGCCTTGAGCTCTGGGATTTTTTCAGTTCCCTCTGAAATTTG	750	
Db	737	ATTAAAGACAGTAGCAATCCAGCCTTGAGCTCTGGGATTTTTTCAGTTCCCTCTGAAATTTG	796	
Qy	751	TGTACAAAGACTATTGTAGAGAC	773	
Db	797	TGTACAAAGACTATTGTAGAGAC	819	

5 T.M.S.A.

```

RESULTS 3
US-09-918-995-35525
; Sequence 35525, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hvsed, Inc.

```

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; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: FROM VARIOUS CDNA LIBRARIES
; CURRENT APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 35525
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(482)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-35525

Query Match      16.6%; Score 425.6; DB 11; Length 482;
Best Local Similarity 99.1%; Pred. No. 4.7e-114;
Matches 428; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1791 TATGACATGAAGATATCTTTGTAAGTACAGGAGGAATGGCAAGGAAAAAGAGCG 1850
Db 51 TCTGAACATGAAGATATCTTTGTAAGTACAGGAGGAATGGCAAGGATTAAGGAGCT 110
QY 1851 AGGCGCTTGGCGCTCGTTAGGACAGTGGACTATTTCAGCAACAAAAACCCCAAGACGAAAT 1910
Db 111 AGGCGTTTGGCGCTCGTTAGGACAGTGGACTATTTCAGCAACAAAAACCCCAAGACGAAAT 170
QY 1911 GAAAGAAAATATCATATTTCTGAAATGTCTGTGCTCCCACTCAAGAGCTTCTAGATCA 1970
Db 171 GAAAGAAAATATCATATTTCTGAAATGTCTGTGCTCCCACTCAAGAGCTTCTAGATCA 230
QY 1971 AAAGAAACAGTTTGAAGAAATGTGTTTGCAAGTTCTAAAGTGGAGAGATGACAATGA 2030
Db 231 AAAGAAACAGTTTGAAGAAATGTGTTTGCAAGTTCTAAAGTGGAGAGATGACAATGA 290
QY 2031 GTTCCTTATGGCTGCCCTTTCAAGAAAGAAAGAAATGATGGAGAAAGAAATCTGCAGGCA 2090
Db 291 GTTCCTTATGGCTGCCCTTTCAAGAAAGAAAGAAATGATGGAGAAAGAAATCTGCAGGCA 350
QY 2091 ACCTGTGAGCCATAGCTGTTTTCAGCAAGTCCCATACCACTGCAATGTGATGCGAG 2150
Db 351 ACCTGTGAGCCATAGCTGTTTTCAGCAAGTCCCATACCACTGCAATGTGATGCGAG 410
QY 2151 AGTTGCTTTCAAGAAATGTACTCGACACCTTGCAGATCCAAATACGGAGCTGGCATATA 2210
Db 411 AGTTGCTTTCAAGAAATGTACTCGACACCTTGCAGATCCAAATACGGAGCTGGCATATA 470
QY 2211 CTTCCACCAAGAA 2222
Db 471 CTTCCACCAAGAA 482

RESULT 6
US-09-918-995-36432
; Sequence 36432, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 36432
; LENGTH: 420

; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(420)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-36432

Query Match      16.4%; Score 419; DB 11; Length 420;
Best Local Similarity 100.0%; Pred. No. 3.7e-112;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1978 CAGTTTGAAAAATGTGGTTTCAGGTTCTTAAAGTGGAGAAATAGACAAATGAGTCTCTT 2037
Db 1 CAGTTTGAAAAATGTGGTTTCAGGTTCTTAAAGTGGAGAAATAGACAAATGAGTCTCTT 60
QY 2038 ATGGCTGCTTTTCAAGAAAGAAAGAAATGATGGAAGAAAAAACTGCACAGGCAACTGTG 2097
Db 61 ATGGCTGCTTTTCAAGAAAGAAAGAAATGATGGAAGAAAAAACTGCACAGGCAACTGTG 120
QY 2098 AGCCATAGGCTGTTTTCAGCAAGTCCCATACCACTTGCATCCAAATGTGATGCAAGTTGGC 2157
Db 121 AGCCATAGGCTGTTTTCAGCAAGTCCCATACCACTTGCATCCAAATGTGATGCAAGTTGGC 180
QY 2158 TTTCAAGAAATGTACTCGACACCTTGCATCCAAATACGGAGCTGGCATATATCTTCAACC 2217
Db 181 TTTCAAGAAATGTACTCGACACCTTGCATCCAAATACGGAGCTGGCATATATCTTCAACC 240
QY 2218 AAGAACCTTCAAAACCTGGCAGAGAGGCGCAAGAAATCTCTGCTGCAGATAGCTGATC 2277
Db 241 AAGAACCTTCAAAACCTGGCAGAGAGGCGCAAGAAATCTCTGCTGCAGATAGCTGATC 300
QY 2278 TATGTTTGTAGGCTGAAAGTACTCACAGGCTTCTTCTCCAGGGACATCCGTTAAATATT 2337
Db 301 TATGTTTGTAGGCTGAAAGTACTCACAGGCTTCTTCTCCAGGGACATCCGTTAAATATT 360
QY 2338 GTTCCCCCACCACCTGAGTCTGGAGCTATAGATGCTCATGACAGTGTGTTGCACAATGT 2396
Db 361 GTTCCCCCACCACCTGAGTCTGGAGCTATAGATGCTCATGACAGTGTGTTGCACAATGT 419

RESULT 7
US-09-814-353-21765/c
; Sequence 21765, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21765
; LENGTH: 985
; TYPE: DNA
; ORGANISM: Homo sapiens
```



Matches	384;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
Qy	752	GTACAAAGACTATTGTAGAGACTATCGGGTTAGTTTGCAAGGGAAGCCAAATGATGAGTA	811						
Db	25	GTACAAAGACTATTGTAGAGACTATCGGGTTAGTTTGCAAGGGAAGCCAAATGATGAGTA	84						
Qy	812	ATTTGAAGAAATTCACCTGGTGAGCAATGAGGACCCCTACTGTTGCTGCCTTTAAAGCTG	871						
Db	85	ATTTGAAGAAATTCACCTGGTGAGCAATGAGGACCCCTACTGTTGCTGCCTTTAAAGCTG	144						
Qy	872	CTTCAGAAATTCATCCTTAGGGAAGAGTGAGCTGGACAAGAAACACACCCCTTCTTTCAATG	931						
Db	145	CTTCAGAAATTCATCCTTAGGGAAGAGTGAGCTGGACAAGAAACACACCCCTTCTTTCAATG	204						
Qy	932	CAATGTCGTGAAACAACTGACCCCTCAGATTGTCCAGGGGCCACATTGAATGGCAGACGG	991						
Db	205	CAATGTCGTGAAACAACTGACCCCTCAGATTGTCCAGGGGCCACATTGAATGGCAGACGG	264						
Qy	992	CAGATGTAATTTGTTAAATCTGTAAACCCACATGATATTACAGTTGGACCTGTGGCAAAGT	1051						
Db	265	CAGATGTAATTTGTTAAATCTGTAAACCCACATGATATTACAGTTGGACCTGTGGCAAAGT	324						
Qy	1052	CAATTCACAAACAGCAGGAGTTGAAATGAAATCGGAATTTCTTTGCCACAAAGGCTAAAC	1111						
Db	325	CAATTCACAAACAGCAGGAGTTGAAATGAAATCGGAATTTCTTTGCCACAAAGGCTAAAC	384						
Qy	1112	AGTTTCAACGGTCCCGAGTTGGTAC	1135						
Db	385	AGTTTCAACGGTCCCGAGTTGGTAC	408						

```

RESULT 10
US-09-814-353-14912
; Sequence 14912, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814.353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14912
; LENGTH: 519
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-814-353-14912

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RESULT 11
US-10-198-846-1770
; Sequence 1770, Application US/10198846
; Publication No. US2003099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 1770
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 3, 4, 5
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-1770

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	Query Match	14.8%	Score 379.4	DB 14	Length 447
	Best Local Similarity 99.7%	Pred. No. 1.7e-100			
	Matches 380	Conservative 0	Mismatches 1	Indels 0	Gaps 0
Qy	752	GTCAAAGACTATTGTAGAGACTATCCGGTTAGTTTGCAAGGAGCAACATCATCAGTA	811		
Db	67	GTCAAAGACTATTGTAGAGACTATCCGGTTAGTTTGCAAGGAGCAACATCATCAGTA	126		
Qy	812	ATTGGAAGAAATTCACCTGGTGAGCAATGAGACCCTACTGTTGCTGCTTTTAAAGCTG	871		
Db	127	ATTGGAAGAAATTCACCTGGTGAGCAATGAGACCCTACTGTTGCTGCTTTTAAAGCTG	186		
Qy	872	CTTCAGAAATTCATCCTAGGGAAGAGTGAGCTGGGCAAGAACCCCTCTCTTTCAATG	931		
Db	187	CTTCAGAAATTCATCCTAGGGAAGAGTGAGCTGGGCAAGAACCCCTCTCTTTCAATG	246		
Qy	932	CAATGGTCTGTAACAACCTCACCTCCAGATTGTCAGGGGCCACATTGATGCGACACGG	991		
Db	247	CAATGGTCTGTAACAACCTCACCTCCAGATTGTCAGGGGCCACATTGATGCGACACGG	306		



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; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16914
; LENGTH: 430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-814-353-16914

Query Match      12.3%; Score 316.2; DB 12; Length 430;
Best Local Similarity 98.5%; Pred. No. 6e-82;
Matches 330; Conservative 0; Mismatches 3; Indels 2; Gaps 1;

QY 752 GTACAAAGACTATTGTAGAGACTATCCGGGTTAGTTTGCAGGGAAGCCCAATGATGAGTA 811
DB 98 GTACAAAGACTATTGTAGAGACTATCCGGGTTAGTTTGCAGGGAAGCCCAATGATGAGTA 157
QY 812 ATTTGAAAGAAATTCACCTGGTGAGCAATGAGGACCCCTACTGTTGCTGCTTTAAAGCTG 871
DB 158 --TTGAAGAAATTCACCTGGTGAGCAATGAGGACCCCTACTGTTGCTGCTTTAAAGCTG 215
QY 872 CTTCAAGATTCTCTAGGGAAGAGTGAGCTGGGCAAGAAACCAACCCCTCTCTTTCAATG 931
DB 216 CTTCAAGATTCTCTAGGGAAGAGTGAGCTGGGCAAGAAACCAACCCCTCTCTTTCAATG 275
QY 932 CAATGTCGTGAACCACTGACCTCCAGATTGTCAGGGCCACATTTGAATGCGACGCG 991
DB 276 CAATGTCGTGAACCACTGACCTCCAGATTGTCAGGGCCACATTTGAATGCGACGCG 335
QY 992 CAGATGTAATTGTTAATTTCTGTAACCCACATGATATTACAGTTGGACCTGTGGCAAGCT 1051
DB 336 CAGATGTAATTGTTAATTTCTGTAACCCACATGATATTACAGTTGGACCTGTGGCAAGCT 395
QY 1052 CAATTTACAACAAGCAGGAGTTGAAATGAAATCG 1086
DB 396 CAATTTACAACAAGCAGGAGTTGAAATGAAATCG 430
```

```
RESULT 15
US-09-814-353-4224
; Sequence 4224, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
```

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; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4224
; LENGTH: 359
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-814-353-4224

Query Match      11.9%; Score 303.6; DB 12; Length 359;
Best Local Similarity 98.2%; Pred. No. 2.6e-78;
Matches 328; Conservative 0; Mismatches 4; Indels 2; Gaps 2;

QY 752 GTACAAAGACTATTGTAGAGACTATCCGGGTTAGTTTGCAGGGAAGCCCAATGATGAGTA 811
DB 26 GTACAAAGACTATTGTAGAGACTATCCGGGTTAGTTTGCAGGGAAGCCCAATGATGAGTA 85
QY 812 ATTTGAAAGAAATTCACCTGGTGAGCAATGAGGACCCCTACTGTTGCTGCTTTAAAGCTG 871
DB 86 ATTTGAAAGAAATTCACCTGGTGAGCAATGAGGACCCCTACTGTTGCTGCTTTAAAGCTG 145
QY 872 CTTCAAGATTCTCTAGGGAAGAGTGAGCTGGGCAAGAAACCAACCCCTCTCTTTCAATG 931
DB 146 CTTCAAGATTCTCTAGGGAAGAGTGAGCTGGGCAAGAAACCAACCCCTCTCTTTCAATG 205
QY 932 CAATGTCGTGAACCACTGACCTCCAGATTGTCAGGGCCACATTTGAATGCGACGCG 991
DB 206 CAATGTCGTGAACCACTGACCTCCAGATTGTCAGGGCCACATTTGAATGCGACGCG 265
QY 992 CAGATGTAATTGTTAATTTCTGTAACCCACATGATATTACA-GTTGGACCTGTGGC-AAA 1049
DB 266 CAGATGTAATTGTTAATTTCTGTAACCCACATGATATTACAAGTTGGACCTGTGGCAAAA 325
QY 1050 GTCAATTTCTACAACAAGCAGGAGTTGAAATGAAA 1083
DB 326 GTCAATTTCTACAACAAGCAGGAGTTGAAATGAAA 359
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Job time : 867 secs

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